



1964

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Bridgewater State College

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STATE COLLEGE



AT

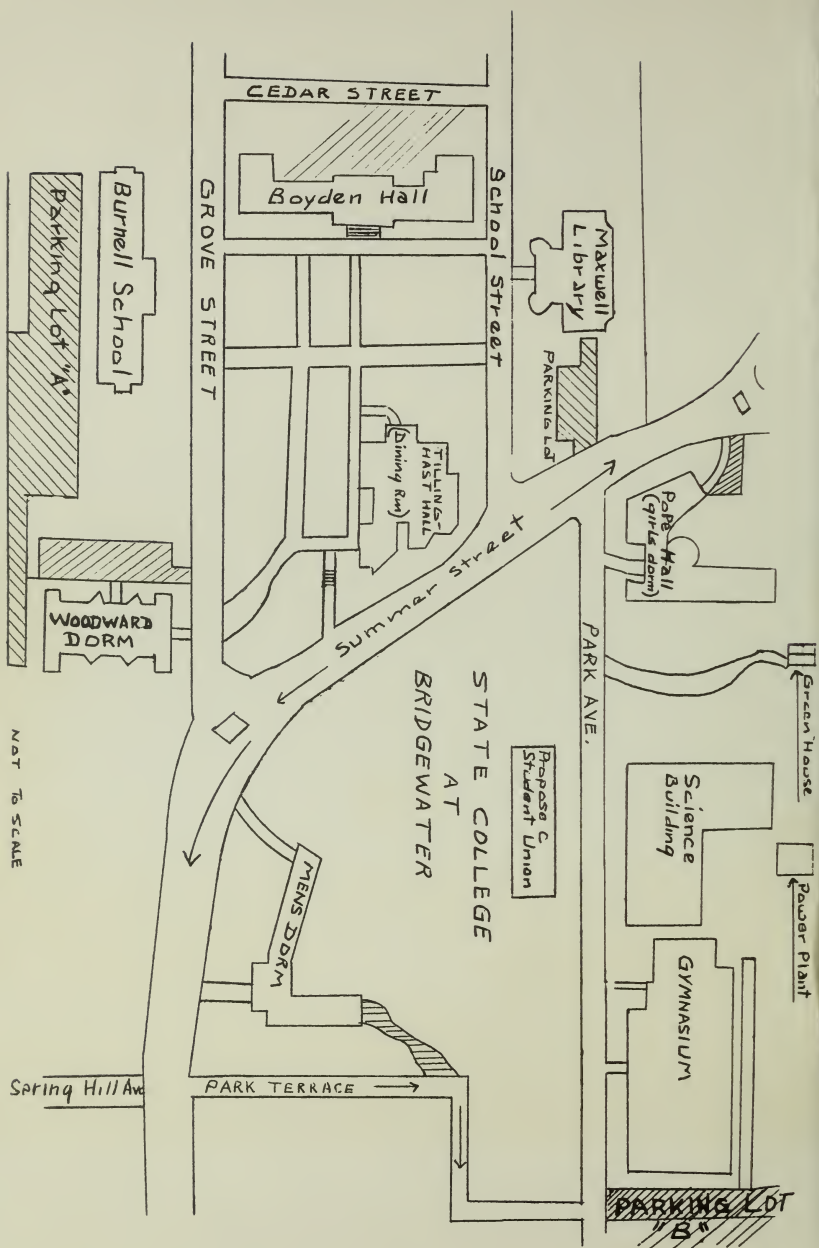
BRIDGEWATER,
MASSACHUSETTS

1964 - 1966

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The Commonwealth of Massachusetts



The Commonwealth of Massachusetts

DIVISION OF STATE COLLEGES

STATE COLLEGE

at

BRIDGEWATER

FOUNDED IN 1840



ACCREDITED BY
National Council for Accreditation of Teacher Education

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COLLEGE CALENDAR

Academic Year 1964-1965

FIRST SEMESTER

SEPT. 11, 1964	Faculty and Department Meetings
SEPT. 14, 15 and 16, 1964 . . .	Registration and Program Making for Freshmen
SEPT. 17, 1964	Registration and Program Making for Sophomores
SEPT. 18, 1964	Registration and Program Making for Juniors and Seniors
SEPT. 21, 1964	Opening of Academic Year
OCT. 12, 1964	Columbus Day
NOV. 11, 1964	Veterans' Day
NOV. 13, 1964	End of First Quarter
NOV. 25 (Noon) to NOV. 30, 1964 . .	Thanksgiving Recess
DEC. 18, 1964 to JAN. 4, 1965 . . .	Christmas Recess
JAN. 29, 1965	End of First Semester
FEB. 1, 2 and 3, 1965	Intersemester Holidays

SECOND SEMESTER

FEB. 4, 1965	Registration and Program Making for Freshmen and Sophomores
FEB. 5, 1965	Registration and Program Making for Juniors and Seniors
FEB. 8, 1965	Beginning of Second Semester
FEB. 22, 1965	Washington's Birthday
APRIL 2, 1965	End of Third Quarter
APRIL 15, 1965 to APRIL 26, 1965 . .	Spring Recess
MAY 31, 1965	Memorial Day Celebration
JUNE 4, 1965	Close of Academic Year
JUNE 6, 1965	Commencement Day

COLLEGE CALENDAR

Academic Year 1965-1966

FIRST SEMESTER

SEPT. 10, 1965	.	.	.	.	Faculty and Department Meetings
SEPT. 13, 14, and 15, 1965	.	.	.	.	Registration and Program Making for Freshmen
SEPT. 16, 1965	.	.	.	.	Registration and Program Making for Sophomores
SEPT. 17, 1965	.	.	.	.	Registration and Program Making for Juniors and Seniors
SEPT. 20, 1965	.	.	.	.	Opening of Academic Year
OCT. 12, 1965	.	.	.	.	Columbus Day
NOV. 11, 1965	.	.	.	.	Veterans' Day
NOV. 12, 1965	.	.	.	.	End of First Quarter
NOV. 24 (noon) to NOV. 29, 1965	.	.	.	.	Thanksgiving Recess
DEC. 17, 1965 to JAN. 3, 1966	.	.	.	.	Christmas Recess
JAN. 28, 1966	.	.	.	.	End of First Semester
JAN. 31, FEB. 1 and 2, 1966	.	.	.	.	Intersemester Holidays

SECOND SEMESTER

FEB. 3, 1966	.	.	.	.	Registration and Program Making for Freshmen and Sophomores
FEB. 4, 1966	.	.	.	.	Registration and Program Making for Juniors and Seniors
FEB. 7, 1966	.	.	.	.	Beginning of Second Semester
FEB. 22, 1966	.	.	.	.	Washington's Birthday
APRIL 1, 1966	.	.	.	.	End of Third Quarter
APRIL 8, 1966	.	.	.	.	Good Friday
APRIL 14, 1966 to APRIL 25, 1966	.	.	.	.	Spring Recess
MAY 30, 1966	Memorial Day Celebration
JUNE 3, 1966	Close of Academic Year
JUNE 5, 1966	Commencement Day

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Directions for Correspondence

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Summer Sessions at Hyannis-----	Mr. Charles E. Foth Director
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Student Health -----	Mary Isabel Caldwell Assistant Professor

THE BRIDGEWATER PURPOSE

The Bridgewater of today might amaze Mann, Tillinghast and Conant who wrought in a generation that built its schools of spirit and zeal, with just a few boards and a little plaster added for good measure. They would find no change, however, in the essence of the Bridgewater purpose and the Bridgewater meaning. Our task is not the creation of great halls and buildings, necessary though they be, but rather is it to fan into an all-consuming flame the spark hit off from the genius and wisdom of our founding fathers.

Naturally we are far more interested in the young men and women who come to us seeking education than we are in the physical properties of the College. Buildings, equipment and conveniences serve only as they help us to achieve our objective—the development of the whole man for the noble profession of teaching and other great vocations.

With Van Dyke we think that education should create men who can see clearly, image vividly, think steadily and will nobly. Thus our students are taught in class and on campus the values that constitute the good man, the good citizen, the good teacher who enters his profession with a deeply serious sense of dedication, and a full, rich appreciation of the good and the true.

The Bridgewater ideal permeates all curricula: the cultural studies and the professional courses, the spirit breathed into its simple beginning by men who encouraged learning not as an end but as a means, the spirit that makes for unselfish service, ministering to others.

The faculty tries diligently to discharge its duties as a shaper of the teaching mind and heart, as a molder of the teaching attitude. In the years since Mann's day more than ten thousand alumni have carried Alma Mater's good word to the corners of the earth, adhering loyally to the Bridgewater way and the Bridgewater spirit.

In these words of the late Calvin Coolidge the reader will find a distillation of the objectives and goals which our founders and their successors have made part of the college fabric:

"The defenses of the Commonwealth are not material but spiritual. Her fortifications, her castles are her institutions of learning. Those who are admitted to our schools tread the ramparts of our state. The classic halls are the armories from which are furnished forth the knights in armor to defend and support our liberty. For such high purpose have our schools been called into being. A firm foundation of the Commonwealth. A defender of righteousness. Let their towers continue to rise, showing forth the way, the truth, and the light."

HISTORY

Bridgewater State College Today

Massachusetts State College at Bridgewater is a medium-sized, rapidly growing, multipurpose institution offering both undergraduate and graduate degrees.

The present time multimillion dollar campus will have many new buildings in the years ahead. In addition much construction is planned for the newly acquired land directly northeast of the present campus.

During the academic year 1964-65 the college will celebrate its 125th anniversary. No better tribute to Alma Mater's growth from an experimental teacher-training institution to a fully accredited, internationally recognized multipurpose institution can be found than in the words of Albert Gardner Boyden when he said years ago, "Thank God for the Bridgewater Spirit of progress, of enlargement of culture, of devotion, of service, of inspiration which has quickened so many thousands of young lives. It has been the animus of the Institution from its very beginning and is marching on to multiply its achievement."

Historical Background

Bridgewater State College has an extraordinary heritage. The story of the growth of the State College at Bridgewater parallels closely the growth of teacher education in America, for Bridgewater has played a leadership role in that growth.

It was devoted effort of Horace Mann to establish a free and compulsory system of public education in the United States and to provide "a trained teacher for every child" that persuaded the General Court of Massachusetts to experiment with three normal schools for the training of teachers. These schools were modeled on the *ecole normales* of France which in turn had been inspired by the Prussian educational system. Key figures in the establishment of these schools were James G. Carter of Lancaster, whose articles in the *Boston Patriot* first called the attention of the public to the need for reform in our system of popular education; the Reverend Charles Brooks of Hingham, an European traveler who labored earnestly for the establishment of teacher training institutions after the Prussian style; and the Honorable Edmund Dwight of Boston who offered to give ten thousand dollars for qualifying teachers for our common schools, on condition that the legislature should appropriate an equal amount for the same purpose.

The first of these schools, opened in Lexington on July 3, 1839, was later moved to West Newton and finally to Framingham. The second, opened on September 4, 1839 at Barre, was later moved to Westfield. Under the distinguished sponsorship of such citizens of Plymouth County as ex-President John Quincy Adams, Senator Daniel Webster and the Honorable Artemus Hale, Bridgewater began its career on September 9, 1840 in the old Town Hall with Mr. Nicholas Tillinghast, a graduate and former instructor at West Point Military Academy, as principal. Twenty-eight students, seven men and twenty-one women were admitted to the first class.

Six years later the first building to be erected specifically for normal school work in America was built at Bridgewater. "Coiled up in this institution as in a spring," said Horace Mann at the dedication of this building, "there is a vigor whose uncoiling may wheel the spheres."

Marshall Conant, an assistant to Mr. Tillinghast, succeeded him as the second principal. A student of history and science, Mr. Conant made many curriculum changes and under his leadership the American normal school passed its period of experimentation and was generally accepted as an important part of American Education.

A student of Mr. Tillinghast's and an instructor under Mr. Conant, Mr. Albert Gardner Boyden, the third principal, brought to Bridgewater the new psychological influence in education and initiated a period of growth and development that was continued by his son and successor, Arthur Clark Boyden. Bridgewater was Boyden for over seventy-five years.

In 1921 a legislative act empowered the Normal Schools to award the Bachelor of Science in Education Degree to any person completing a four year course in a normal school. Bridgewater was one of the five State Normal Schools which granted the degree. In 1932, by act of the General Court, Bridgewater, together with the other State Normal Schools became a State Teachers College and in 1960 by another legislative act the Massachusetts teachers colleges became state colleges. These changes which brought the teacher training institutions of Massachusetts into line with other similar institutions gave them added prestige and has enabled them to expand the curriculum offerings to make possible the granting of the B.A. Degree as well as the Degree of B.S. in Education.

The Fall of 1937 saw the opening of the Graduate School which has now been absorbed by the Division of Continuing Studies. Courses are offered in this division during the afternoon and evening and on Saturday morning for teachers-in-service and for any interested adults desiring to continue their education. A well organized program of studies is offered by this division during the summer both at Bridgewater and Hyannis.

A disastrous fire completely destroyed three of the main buildings on the Bridgewater campus, the main classroom building, Tillinghast Dormitory and the old Woodward Dormitory on December 10, 1924. The only buildings saved were Normal Hall, new Woodward Hall and the boiler house. Due to the efforts of a dedicated core of faculty members the school continued in temporary quarters and the new buildings were dedicated on October 22, 1926.

Each of the first administrative heads of Bridgewater was "heir on the spot" of a well understood policy. This unbroken line of succession led to an unusual growth and expansion. Each of the succeeding presidents, Dr. Zenos Scott, 1933-1937, Dr. John Kelly, 1937-1951, Dr. Clement C. Maxwell, 1952-1962, and Dr. Adrian Rondileau, 1962- has brought to Bridgewater the particular type of leadership that was needed during his administration, thus endowing the college with a marvelous continuity of development.

The Campus

On the corner of Grove and Cedar Streets is GATES HOUSE, a quiet and dignified home of presidents of the college since 1933. It is now the home of Dr. and Mrs. Adrian Rondileau. The charm of this lovely home contributes to the friendly atmosphere of Bridgewater.

Turning from Gates House onto Grove Street we come upon the MARTHA M. BURNELL SCHOOL, the laboratory school for Bridgewater students. This building, facing the quadrangle, provides four grades and a kindergarten where juniors may pursue their practice teaching under skilled supervision.

The office of the Principal is located on the first floor near the main entrance. A students' lounge is found on the ground floor of the building. Here student teachers may relax during their free time.

Frequently, the training school is visited by classes from the college who observe and study demonstration lessons taught by the faculty of the training school.

Continuing down Grove Street we come to WOODWARD HALL, named for Eliza Woodward, a beloved teacher who served the college for many years. This large dormitory houses over two hundred women students. It has three floors containing eighty-five pleasant double and triple rooms. On the first floor are located the office of the Assistant Dean for Women, a music room furnished with a radio and piano, and a comfortable reception room used for recreational purposes and for entertaining guests. On the ground floor we find a kitchenette, ironing room, recreation room, laundry room, and study hall, all these adding to the convenience of the resident students.

Our tour takes us next to LOWER CAMPUS, one of Bridgewater's most beautiful spots. Tennis enthusiasts find ample room to display their skills on the four tennis courts. Football and baseball and the co-curricular sports and activities are carried on here in season. Students congregate to chat or rest on the grassy slopes and under shade trees of this lovely spot.

To the right of the tennis courts is the new MEN'S DORMITORY, a handsome, modern building which accommodates about one hundred young men. It contains many facilities which add to the convenience of the resident men students.

The center of Bridgewater's athletic life is the GYMNASIUM. Its beautiful and spacious floors accommodate several classes at once. Each of the two gyms has a dividing door so that four separate activities may go on at the same time. The beauty of the modern swimming pool is one of the focal points on campus. The pool is the scene of happy times both in class and in splash parties. The ground floor of the building is equipped with ample shower and locker space for both men and women students. The athletic field in back of the gymnasium is now used for archery ranges. During the school year many varsity athletic contests are held here. Next to the athletic field is a spacious parking lot to accommodate some of our many commuters' cars.

Close to the gymnasium is Bridgewater's most recent, largest and most exciting building, the new Science Hall. A three-story brick structure, costing approximately \$2,500,000.00, it contains 134 classrooms, laboratories, a lecture hall and many faculty offices as well as other long needed facilities and equipment.

The next stop on our tour takes us to the STEVENS GREENHOUSE AND BOTANICAL GARDENS. The greenhouse and gardens are located on land donated by Mrs. Elizabeth Stevens. Here most of the botanical enterprises of the college are centralized. Many rare and interesting plants are found in the greenhouse, and the floral arrangements often seen in the dormitories and in the main buildings come from here. The surrounding gardens have been recently renovated by the students to provide a picnic area. Here many groups on campus may hold picnics and outings. The gardens also have a small goldfish pond.

S. ELIZABETH POPE HALL is next to the greenhouse and botanical gardens. The rooms of this dormitory are double and will accommodate one hundred and fourteen girls. There is a large and very modern reception area in the front of the building on the first floor, used for entertaining guests. On the first floor, also, is a large hospital suite, including the office of the college nurse. On the ground floor there are laundry facilities and a beautiful combination lounge and study hall. On each floor there is also a study hall for the convenience of the girls.

Coming from S. ELIZABETH POPE HALL, our next stop is TILLINGHAST HALL, named for Bridgewater's first Principal, Nicholas Tillinghast. The rooms in this dormitory are single, with the exception of two suites. There is an attractive and spacious reception room on the first floor which is used by the students for entertaining guests and for other social purposes. On the same floor is found the dining room in which all the dormitory students eat their meals. On the ground floor is a reception room used for general social activities, and a post office through which the college mail is received. Laundry facilities for resident students are located on the ground floor. Also, a spacious alumni suite is located in the north corner. At the front of the building, facing the lower campus, is a new, enlarged music room.

Across the street from this dormitory is the CLEMENT C. MAXWELL LIBRARY. This library contains seventy-five thousand volumes. There are thirty-five student study-carrels, and twelve listening rooms.

Our tour ends at the busiest of all the buildings, BOYDEN HALL. This building is also referred to as the "AD BUILDING." The rotunda forms an axis about which revolves the administrative branch of the college. Here we find the office of the President, the office of the Dean of Studies, the office of the Dean of Women, the office of the Dean of Men, the Plymouth County Room, and the Administration Office. The S. C. A. Office is found on the second floor. Facilities for the use of commuting students, lunch rooms and locker rooms are located on the ground floor. The Horace Mann Auditorium, in which plays, concerts, lectures and college convocations are held, is in the northeastern section of Boyden Hall.

This building is the core of the college life, for here most of the social and legislative activities are planned and held by the many executive committees and clubs. Furthermore, it is here that most of the college classes meet.

STUDENT SERVICES

Students have problems and needs that often require special forms of help or personal guidance at different stages of college experience. Among these are questions and concerns about one's educational program and academic achievement, housing, finances, health, social adjustment, part-time work, and post-college study or employment.

To assist students in making good adjustments, wise decisions, and intelligent plans, the College has provided professional staff services in each of the major areas of student need described below.

ORIENTATION

During registration week, the orientation of students new to Bridgewater State College begins, when students are advised on their academic program, and given opportunities to meet each other and the faculty, to learn about the philosophy and resources of the College, and about the standards, requirements, policies, and traditions of the College. The program includes assemblies, discussion meetings, activities of various kinds, and get-togethers in informal setting, planned and carried out by committees composed of students, faculty, and administrative staff.

COUNSELING

The faculty-student relationship is the center of college counseling, for it is the faculty who more than any special counselors are best qualified to guide the student in his academic and professional growth, and to nurture a close student-faculty relationship as far as possible. In many matters, both academic and personal, professional counselor can offer additional guidance to students who are faced with conditions which impair effective guidance work. This service may be arranged through the offices of the Dean of Men and Dean of Women.

HEALTH SERVICE

A hospital suite is located on the first floor of the S. Elizabeth Pope Hall. The services of the day nurse, Miss Curtin, and the night nurse, Mrs. Knute Zahr, are available to all students of the college.

Any case of illness should be reported promptly to the nurse. If the nurse cannot be found, report to the House Mother or the Deans.

LIBRARY

The library functions as an open-shelf library; that is, library users have direct access to all library holdings, and are expected to help keep these in their respective places when they are not in use. In an open-shelf library the general welfare of the library is the concern of each and every student.

PLACEMENT

The Placement Service assists in referring seniors to employers for full-time job opportunities, and in placing alumni in their major fields of concentration. In addition, on-campus interviews are arranged for students in their senior year. These services are available without charge to all students and alumni who register at the Placement Office.

STUDENT EMPLOYMENT

Opportunities for part-time employment are available for students who wish to earn money while studying at the college. Applications should be made to the Dean of Women or the Dean of Men. Assignments will be made in accordance with the needs, abilities, and interests of the students.

STUDENT LIFE

Student life at Bridgewater State College is a composite of a variety of activities and organizations meeting a wide range of student needs and interests and adding enjoyment and meaning to living and learning experiences. Through out-of-class participation in intellectual, social, religious, cultural and recreational functions, students develop understandings and skills that enrich and extend classroom learnings and form an integral part of the college program. In sharing membership and leadership roles in these activities and organizations, they find opportunities to gain competencies that have direct application to class assignments, to their professional training, and to community situations.

Since Bridgewater State College believes that student participation in campus life is an important part of the educational process, it encourages student government at various levels and in all student activities. The STUDENT CO-OPERATIVE ASSOCIATION AND STUDENT COUNCIL are described as follows in the aim to involve the student in a responsible way in the life of the college community, to serve as the means for the free expression of student opinion regarding College affairs as well as local, national and international issues relevant to the student-citizen, and to unite the student community through helping students feel a part of the educational process.

STUDENT CO-OPERATIVE ASSOCIATION

This organization serves the student through their own representatives who serve as the voice of student opinion and the body of student action. Annual dues support the student government and its activities. With payment of these dues, students are admitted to all athletic events free of charge. A yearbook is received annually. The work of the entire association with its many committees is guided by the Student Council.

STUDENT COUNCIL

This is composed of the officers of the SCA together with the class presidents and three elected delegates-at-large from each class. It aids in regulating all matters pertaining to student life which do not fall under the jurisdiction of the faculty, in fostering the spirit of unity and co-operation among the students and in maintaining the high standards of Bridgewater State College. It acts as an intermediary between faculty and students in raising the standards of scholarship, conduct, and extra-curricular activities. This group aims to initiate the best movements of student collegiate life on the campus, and to improve

and broaden life in the college by making available to the student the best that is possible in cultural and educational achievement. The committees of the SCA in conjunction with the Student Council are:

Finance Committee—

The main function is to receive the budgets of the organizations requesting funds from the S.C.A. and to recommend the final appropriation for that organization.

Assembly Committee—

The function of this committee is to bring to the college speakers, outstanding in their particular fields, who will contribute to the cultural growth of the students.

Dining Hall Committee

This committee makes and enforces rules governing the dining hall etiquette.

Elections Committee

This committee assists freshmen conducting their meetings, taking charge of their elections and planning their class party. For the rest of the year its duties are to plan the order of and direct the elections of student officers.

Civic Committee

The main function of this committee is to supervise the student facilities and aid in the maintenance of the campus.

Handbook Committee

The chief duty of this group is to prepare and publish a handbook, containing all the necessary information regarding rules, customs, and traditions of the college.

Library Committee

This committee has as its prime objective, the maintenance of an efficient library system to meet the needs of a rapidly expanding college. They also collect fines and assessments which shall be used only for the upkeep and repair of books.

Public Relations Committee

This committee works with the Audio-Visual Department of the college in promoting good will between the college and the communities it serves.

Social Activities Committee

This group plans the social calendar of the year, co-operating with club presidents and leaders so that any conflicts in social affairs may be avoided. It also serves in an advisory capacity for those students who are planning dances, teas, and other social functions.

Delegates-at-Large

The three delegates which each class elects are the connecting links between the student body and the administrative officers of the college through the Student Council. They report to their class the business of the Council meetings which pertains to the college and act as official representatives in all matters relating to the functions of their class as they affect college life, and to exemplify the best traditions of the college and the student body.

RESIDENCE HALL LIVING

Life in a residence hall provides a rich and wholesome educational experience beyond the reaches of the classroom. In each hall, under the direction of the Dormitory Council and a qualified staff, Bridgewater State College has created an environment which supplements and extends its aims and objectives. In brief, the College seeks to provide a background experience in living upon which college men and women may begin to build the foundation for the active part which they will play in the life of the community for the rest of their lives.

RELIGIOUS LIFE

From its very beginning Bridgewater State College has been committed to a positive appreciation for the religious values in both our history and contemporary culture. To emphasize the affirmative role of religion in the life and thought of this academic community the Christian Fellowship, Menorah Club, and Newman Club have been formed to minister to those of every faith.

CULTURAL AND SOCIAL EVENTS

Many opportunities are provided for cultural and social experiences through formal and informal group activities open to all students. This includes musicales; art exhibits, international displays; forums and socials; informal dances; formal balls; coffee hours with staff and faculty; and residence hall functions.

LECTURES, CONFERENCES, AND CONVOCATIONS

Student, faculty, administrative, and alumni groups sponsor a number of lectures, forums, and discussion group programs throughout the year. These programs reflect the interests of the College community in many fields of learning, community affairs, national problems and international issues.

PHYSICAL EDUCATION AND RECREATION

The physical education and recreational program of the College provide a wide range of activity for students. Objectives of the program are to promote qualities of leadership and sportsmanship; to aid students in their emotional, physical, and social development; and to provide opportunities for the development of individual physical skills.

Programs of intramural sports for men are conducted in badminton, basketball, softball, tennis, touch football, track and field and swimming.

Recreational and intramural activities for women include badminton, basketball, dancing, tennis and volleyball.

ATHLETICS

Intercollegiate athletics play an important part in Bridgewater State's educational objectives. Sports are vital and beneficial activities, creating proper balance between mental and physical training, providing relaxation and enjoyment for student participation and student spectators, developing a spirit of unity and high morale in the student body, and encouraging cooperative group relationships.

STUDENT ORGANIZATIONS

A.C.E.I.

A student branch of the Association for Childhood Education International. It is a student professional club, concerned with children from the ages six to twelve. The main purpose of this organization is to learn to make the community a better place for all children.

Alpha, The College Yearbook

Alpha is the tangible record of the activities of the graduating class, in particular, and of the college, in general. Candidates are selected on a basis of leadership qualities, personality, scholarship, and an ability and interest in the production of Alpha.

Aquabrytes Club

This club is opened to all students of the college interested in synchronized swimming. Its purpose is not only to swim harmoniously, but also to develop expression and composition.

Audio-Visual Club

This is a campus service organization. The aims are to make available technical assistance, aids, and equipment when and where it is needed by the faculty, campus organizations and student teachers; to train club members and other interested students in the proper care and use of the A-V aids and equipment.

Biology Club

This club is open to biology majors. It is interested in affording the students an opportunity to get together, exchange ideas, invite interesting speakers to the campus and to have formal discussions with the faculty.

Campus Comment

This, the official college newspaper, is issued throughout the year. Membership is open to any student wishing to participate. Promotion to the editorial board is based on a person's merit and length of service to the paper, according to the board's discretion.

Christian Fellowship

Christian Fellowship is the federation of Protestant students on campus. Its purpose is to stimulate study, thought, and action in an attempt to learn more completely the meaning of Christianity; to meet the personal needs of the members; and to share together in the total task of Christianity throughout the world.

Day Student Organization

This organization was formed for the purpose of regulating matters pertaining to the life of the day students at Bridgewater, and for the promotion of fellowship among its members.

Debate Club

The club's purpose is to stimulate progress in and to further the interests of inter-collegiate speech activities. Membership is open to all students and training and practice are available for all interested.

Dormitory Council

This was organized for the purpose of providing harmonious and pleasant dormitory life, and is responsible for making and requiring observance of the rules governing the general conduct of dormitory students.

Dramatic Club

The purpose of the club is to train all interested students in the various techniques of the stage; to develop ability to speak before an audience; and to provide entertainment for the college at large.

French Club

Le Cercle Francais is an organization for those who are interested in France and French culture. This group also sponsors a Mardi Gras celebration which proves to be the gala social event of the year, done in cooperation with other organizations on campus.

Glee Club

The Glee Club consists of those students interested in singing and in good music. Students must pass a voice test to obtain membership in the club.

Kappa Delta Pi

A national society in education, this gives recognition to the highest professional, intellectual and personal standards. Membership is open to a limited number of those seniors and juniors who are in the upper quintile of their respective classes, and who meet the society's standards in regard to personality and contributions to the college.

Men's Athletic Association

The purpose of the association is to carry out the men's athletic program throughout the year. This includes both intramural and varsity sports.

Menorah Club

Menorah Club was formed primarily to promote interest in Jewish culture, ideals, and problems. Speakers, group discussions, and social affairs are included in the program, which is open to all members of the college.

Modern Dance Club

This organization invites all women students to participate in the use of the dance for creative composition and expression.

Newman Club

The particular aim of this club is to provide for a union of those students of the Catholic faith whose ideals and principles are similar to those of Cardinal Newman. The club's aims are religious, educational, and social, with membership open to all students.

Organ Club

This group promotes interest in organ music, encourages proficiency in performing works on the organ, makes the organ available for college activities, sponsors concerts and helps with the annual concerts of the college.

P.E.M. Club

This is a professional organization in the field of physical education and health, made up of all members of the Physical Education Department, to advance the standards of teaching and leadership; to stimulate a wide and intelligent interest in health, physical education, and recreation; and to promote social and professional cooperation among students, faculty and alumni of the college.

S.T.E.A.M.

The Student Teachers Education Association of Massachusetts is a professional organization open to Juniors and Seniors who are enrolled in a teacher education program which provides opportunities for personal and professional growth; development of leadership skills; understanding of the history, ethics, and progress at state and national levels and participation in professional activities at local, state, and national levels, especially integrating programs of local associations and student education associations.

Visual Arts Club

Its purpose is to stimulate an art-consciousness among students on campus. There is much opportunity in the club to develop artistic talent, or simply to foster an interest in, or love for art. Membership is open to all students.

Women's Recreation Association

This is the second largest organization on campus, and one of the most active. It serves the women of the college by providing for them opportunities for wholesome physical recreation, either as participants or as leaders. It also sponsors a variety of social events throughout the year.

Honors and Awards

ART KEY

Sponsored by Rosa Silva, '21.

Presented to a senior who has shown outstanding achievement and interest in art and art teaching.

CENTENNIAL CLASS AWARD IN HISTORY

Sponsored by Dr. Jordan Fiore, '40, in honor of the Class of 1940. Awarded to the highest ranking senior student in the field of history.

JULIA CARTER AWARD

Sponsored by friends of Julia C. Carter, former Librarian.

Presented to a student who has shown unselfish devotion to the well being and progress of the college library.

CLASS OF 1953 AWARD

Sponsored by the Class of 1953.

Awarded to that senior who has never been elected to a major office, who is always loyal to his friends, his college and his responsibilities and who has demonstrated that he can follow as well as lead.

DELTA KAPPA GAMMA SCHOLARSHIP

A full year's tuition (\$200.00) given to an underclassman who excels in scholarship and loyalty to responsibility.

MUSIC AWARD

Sponsored by the College Band.

Presented to the outstanding instrumentalist in the college band.

ELEMENTARY KEY AWARD

Given by a friend of the college to the outstanding elementary major who typifies success in student teaching, leadership, and professional potential.

M. KATHARINE HILL PRIZE

Sponsored by the Hill Memorial Fund in memory of a beloved and gifted teacher, Mary Katharine Hill.

Awarded to a senior whose interest in the field of Literature has been outstanding.

KAPPA DELTA PI SCHOLARSHIP

Awarded each September to a member of the senior class who has achieved the highest academic rank at the end of the junior year.

ANNA McGRORY AWARD

Sponsored by the friends of Anna McGrory, '40, who died at the age of 27 years.

Presented to a girl in the graduating class who has not held a major office in the college but who has the following qualities: Loyalty, Faith, Devotion, Service and a Sense of Humor.

HISTORY AWARDS

Awarded to the students who have ranked the highest in the Civic Education Course. This prize is the gift of several members of the Class of 1940.

MEN'S ATHLETIC ASSOCIATION AWARD

Sponsored by the Men's Athletic Association.

Awarded to a senior man for sportsmanship, scholarship, and athletic improvement.

DR. MARY J. MORIARTY AWARD

Presented annually by the Physical Education Alumni Association to a member of the graduating class of the Physical Education Major Department.

It is given for noteworthy scholarship, distinguished leadership, and outstanding service to both the Physical Education Department and the College.

OMEGA IOTA PHI SORORITY SCHOLARSHIP

Sponsored by the Omega Iota Pi Sorority.

Awarded to the most deserving underclasswoman who has maintained a high degree of self reliance and seriousness of purpose.

PHYSICAL EDUCATION KEY

Sponsored by Myra I. Luce, '21.

Awarded to the physical education student who has achieved the most over a four-year period in teaching ability, attitude toward teaching, professional appearance, skills, scholarship and activities.

S. ELIZABETH POPE AWARD

Sponsored by Dr. Ellen Shea, '35, in honor of S. Elizabeth Pope, former Dean of Women.

Presented to that senior girl elected by the women of her class who has given of herself most generously in service to this college and in the promotion of good fellowship among her classmates.

LOUIS CARMEL STEARNS AWARD IN BOTANY

Sponsored by the Alumni Association.

Presented to that student who has demonstrated the greatest proficiency in the botanical sciences.

LE CERCLE FRANCAIS AWARD

Sponsored by the French Club.

Awarded to a senior for excellence in French and outstanding service to the French Club.

OUTSTANDING STUDENT LIBRARIAN AWARD

Given by the Student Cooperative Association Library Committee and the Library Staff to the student librarian of the year who has distinguished herself in "Librarianship".

DR. WILLIAM G. VINAL AWARD

The Biology Club award has been named in honor of Dr. William C. Vinal and is to be awarded for excellence in the field of Zoology over a four-year period.

FALL RIVER AREA ALUMNI CLUB AWARD

To be given annually to the highest ranking senior from the Fall River area, presented for the first time in 1963.

BRIDGEWATER AREA CLUB AWARD

The Bridgewater Area Alumni Club makes this award to the sophomore who was the highest ranking freshman of 1961-62.

SPRINGFIELD AREA CLUB

Sponsored by the Springfield Area Alumni Club and awarded to the senior who has been outstanding in social studies.

FRESHMAN MATHEMATICS AWARD

Presented by Mr. George Durgin to the freshman who has achieved the highest rank in Mathematics.

EDITH G. SHULMAN AWARD

Sponsored by Edith G. Shulman, Class of 1925, and awarded to that senior who has shown creative excellence in the study of English.

STUDENT COOPERATIVE ASSOCIATION LEADERSHIP AWARD

Sponsored by the S. C. A. and selected by the underclass members of the Student Council. This award is given to the senior who has shown outstanding leadership in school and college activities.

HILL-ROSS AWARD

Sponsored by the Class of 1935 to perpetuate the memory of Lt. Paul D. Hill and Capt. Donald E. Ross.

Awarded to the outstanding member of the graduating class, who, by high standards of achievement and character, scholarship, and participation in activities, has contributed most to the life of the college.

ADMISSION

I. Requirements For Admission

Admission requirements at the Massachusetts State College at Bridgewater have as their purpose the selection of students who are most likely to be successful in college studies. Each candidate is considered individually on the basis of the following general requirements:

1. Health

The candidate, if a teacher training program is his intended area of study, must be in good physical condition and free from any disease, infirmity, or other defect which would render him unfit for public school teaching. A statement from the family physician and examination by the college physician are required evidences in this regard.

All candidates, regardless of the intended area of study, are required to have a physical examination prior to entrance, and information concerning this will be forwarded to the prospective students at some future date after notification of acceptance has been received.

2. High School Graduation

Candidates must have a high school diploma or equivalent preparation.

3. Completion of Sixteen Units of High School Work.

The "HIGH SCHOOL RECORD" must show the completion of sixteen units accepted by the high school in fulfillment of graduation requirements or the candidate must present evidence of equivalent preparation.

A unit represents a year's study in any subject of a secondary school so planned as to constitute approximately one-fourth of a full year of work for a pupil of normal ability. To count as a unit, the recitation periods shall aggregate approximately 120 sixty-minute hours. Time occupied by shop or laboratory work counts one-half as much as time in recitation.

4. Personal Interview

A satisfactory personal interview of each candidate by faculty members of the college is required.

5. Personal Characteristics

The results of the personal interview and the moral character of the candidate must, in the judgment of the President of the State College at Bridgewater, warrant the admission of

the candidate. The recommendation of the high school principal will be given consideration in determining the fitness of the candidate for the proposed program of study.

6. Successful completion of the College Entrance Examination Board Scholastic Aptitude Test.

7. Successful completion of the College Entrance Examination Board Achievement Test in English and two other achievement tests, according to the following:

Bachelor of Science Candidates

Elementary Majors	Two tests of the candidate's choice.
Physical Education Majors	Two tests of the candidate's choice.
*Secondary Majors	One test related to the intended major field of concentration. One test of the candidate's choice.

Bachelor of Arts Candidates

One test related to the intended major field of concentration.
One test in a foreign language studied at the high school level representing two units of study.

*This degree will not be offered to candidates beginning with the September Class of 1965.

II. Submission of "Application For Admission" and "High School Record."

Every candidate for admission to the State College at Bridgewater is required to submit to the College:

1. A formal application for admission which may be obtained by writing to or calling at the Office of Admissions.

NOTE: The application fee of ten dollars is to be forwarded to THE DIVISION OF STATE COLLEGES, 50 FRANKLIN ST., BOSTON, MASS., and made payable to "THE COMMONWEALTH OF MASSACHUSETTS".

Further information regarding the fee will be forwarded with the application. Please follow the directions carefully.

2. His high school record on a form entitled "HIGH SCHOOL RECORD", which includes "RATINGS OF PERSONAL CHARACTERISTICS", submitted by the high school principal.

The high school record must include at least the first marking period or first quarter of the candidate's senior year.

This form will be sent with the "Application for Admission" from the State College at Bridgewater or the high school may forward its own form.

III. Times of Admission

1. January 15 (Early Acceptance Plan Only).

Candidates may be accepted at this time providing the "Requirements for Admission" (refer to I.1-6) have been met, that they continue to maintain a good academic record throughout their senior year and that they complete all achievement tests (refer to I. 7) according to their desired program of study prior to entrance in September.

If these conditions are not met, a candidate may forfeit his place in the Freshman Class.

2. March 15

Early Acceptance Plan Candidates, not having met the requirements for January 15 may be accepted at this time providing the requirements as stated above have been met.

Regular Acceptance Plan Candidates will also be considered at this time providing the requirements as stated above have been met.

3. Those candidates who have not met the requirements for admission by the March 15 selection date may jeopardise their chances of receiving consideration for acceptance as the college has the authority to close Freshman Admissions at this time.

IV. Methods of Admission

1. Early Acceptance Plan

On the basis of A:4, B:3, C:2, D:1, candidates who have an average of not less than 3.0 in the highest 16 acceptable units of high school work.

The units must include the following 8 units:

English (including Grade XII).....	4 units
American History and Government.....	1 unit
College Preparatory Mathematics.....	2 units
Biology, Physics, or Chemistry.....	1 unit

NOTE 1. Bachelor of Arts Candidates must meet the following additional course requirement.
Foreign Language-----2 units in one language

NOTE 2. Bachelor of Arts Candidates desiring to major in Mathematics must meet the total College Preparatory Mathematics requirement as follows:
College Preparatory Mathematics-----3 units

2. Regular Acceptance Plan

On the basis of A:4, B:3, C:2, D:1, candidates who have an average of not less than 2.0 in the highest 16 acceptable units of high school work.

The units must include the following 8 units:

English (including Grade XII)-----	4 units
American History -----	1 unit
Mathematics -----	2 units
Science -----	1 unit

NOTE 1. Bachelor of Arts Candidates must meet the following additional course requirement.
Foreign Language-----2 units in one language

NOTE 2. Bachelor of Arts Candidates desiring to major in Mathematics must meet the total College Preparatory Mathematics requirement as follows:
College Preparatory Mathematics-----3 units

The sixteen units must be so distributed that the number offered in any field, including the prescribed eight units, shall not be more than the following:

English—4, Social Studies—4, Science—4, Foreign Languages—7 (8 for Language Majors with no credit accepted for less than 2 units of any one language), Mathematics—4, Business—2, Fine Arts and Industrial Arts—2, Home Economics—2, Physical Education—1 (for Physical Education Majors only).

V. Advanced Tracks

The high schools are requested to transpose all grades from advanced tracks or classes to a standard mark so that all students will be evaluated on the same basis.

VI. Dormitory Placement

1. Women

The requests for dormitory placement far exceed the actual openings that exist from year to year. Placement to this status is based on the total evaluation of the candidate in addition to the distance from her permanent place of residence.

Those women not able to commute to the college and not given dormitory placement are not allowed to live in private residences within the area of the college.

2. Men

Provisions are made for male candidates to reside within the area of the college in homes approved by the college, should dormitory facilities not be available to them. These placements are assigned during the summer months prior to commencement of classes in September.

VII. Waiting Lists

If the number of applicants qualified for admission exceeds the number that the facilities of the College will accommodate, a waiting list will be established. The position of a candidate on the waiting list will be determined in accordance with his total evaluation.

Transfer Admission

In order to be eligible for admission, a candidate who has attended another college or other colleges and universities must have an over-all "C" average from all institutions attended and must be in good standing at the last college attended.

The transfer candidate must comply with the "Requirements for Admission" (refer to I. 1-6).

Each applicant must present from the college attended a statement of honorable dismissal, an official transcript of credit, and a current catalogue.

All applications should be filed by May 1 in order to be given consideration for admission in September.

Credit will be granted for work completed in other accredited colleges and universities which was of an overall "C" average or better, and for courses only that parallel those offered at Bridgewater State College.

No transfer candidate is given consideration for dormitory placement.

NOTE: Although candidates meet the requirements for admission, this does not imply acceptance. The number of transfer applicants are much greater than the limited openings that are available. Therefore the candidates chosen for admission are those who offer the best evidence of scholastic achievement.

EXPENSES

The following summary indicates as nearly as possible the regular expenses for which each student must plan in an annual budget:

I. FEES FOR RESIDENTS OF MASSACHUSETTS.

1. \$200.00 a year payable in two installments at the beginning of each semester.
2. \$7.00 a semester hour — Courses for part-time day students.
3. \$18.00 a semester hour—Program of Continuing Studies.
4. \$11.00 a semester hour—Auditor in Program of Continuing Studies.

II. FEES FOR NON-RESIDENTS OF MASSACHUSETTS.

1. \$600.00 a year payable in two installments at the beginning of each semester.
2. \$21.00 a semester course — Courses for part-time day students.
3. \$25.00 a semester hour—Program of Continuing Studies.
4. \$11.00 a semester hour—Auditor in Program of Continuing Studies.

III. REGISTRATION FEE.

Each applicant for admission to a Massachusetts State College or the Massachusetts College of Art must pay a registration fee of \$20.00 following notification of acceptance of admission. This fee will be deducted from the tuition of students who attend and will be forfeited by those who do not attend. Refunds for students leaving the college six weeks after the beginning of the semester will be based on the regularly-established schedule of refunds, minus the registration fee. This regulation became effective for students entering on or after September 1, 1955.

IV. TEXTBOOKS AND SUPPLIES.

Students are expected to purchase all necessary textbooks and supplies, at an approximate expense of \$100.00 a year.

V. BOARD AND ROOM.

Each applicant for a dormitory reservation must pay a dormitory deposit of \$25.00 following notification of admission to a dormitory. This deposit will be deducted from the total dormitory fee of students who attend. It will be forfeited by those who do not attend.

Rates for board and room are established by the State Department of Education. The present annual rate is \$480.00 payable as follows:

Dormitory Deposit -----	\$25.00
Opening of School, September-----	95.00
Beginning of Second Quarter-----	120.00
Beginning of Third Quarter -----	120.00
Beginning of Fourth Quarter-----	120.00

All payments must be made in advance without the presentation of bills. These regulations are subject to change by the Board of Education.

OTHER EXPENSES. Certain student enterprises which are supported by all the students are financed by means of the Student Activities Fee, which is payable at the beginning of each college year. This fee, presently \$35.00, is now mandatory.

The required gymnasium outfit for women in the regular curricula consisting of special uniform and shower equipment costs approximately \$25.00. Full description with blanks for ordering will be sent out with notification of admission.

The required physical education outfit for men includes a jersey, gym shorts, sweat pants, sweat short, athletic supporter, gym socks, shower clogs and towels, the approximate cost of which is \$15.00. All men entering as freshmen or transfer students will be informed as to the procedure of providing information on sizes to the dealer furnishing the uniforms.

LOANS

Alumni and friends of the college have at various times made contributions to the Students' Loan Fund at Bridgewater, established for the purpose of extending aid to needy members of the Junior and Senior Classes. This fund is administered by a faculty committee, appointed by the president.

Students in the Sophomore, Junior and Senior classes may apply for loans to aid them in the payment of their college expenses at the office of the Massachusetts Higher Education Assistance Corporation, Statler Building, Boston, Mass.

Students in the Freshman class may apply at their high school or at the business office of this college for information in regard to scholarships from the Massachusetts Scholarship Foundation, Incorporated, 1746 Cambridge Street, Cambridge 38, Mass.

THE NATIONAL DEFENSE STUDENT LOAN PROGRAM

The Massachusetts State College at Bridgewater participates in the Student Loan Program of the National Defense Act of 1958 (Public Law 85-864). College students or prospective college students who are in need of financial assistance to continue or commence their college education may borrow up to \$1000 a year through this loan program.

The law requires that each borrower be a full-time student, that he be, in the opinion of the College, capable of maintaining good standing in his chosen course of study. The law further provides that special consideration in the selection of loan recipients be given to (a) students with a superior academic background who express a desire to teach in elementary or secondary schools and (b) students whose academic background indicates a superior capacity or preparation in science, mathematics, or a modern foreign language.

The borrower must sign a note for the loan. Repayment of the loan begins one year after the borrower ceases to be a full-time student, with payment being completed within 10 years. No interest on the student loan may accrue prior to the beginning of the repayment period, and interest thereafter is to be paid at the rate of 3 percent a year.

The National Defense Education Act contains a provision that up to 50 percent of a loan (plus interest) may be canceled in the event a borrower becomes a full-time teacher in a public elementary or secondary school. Such cancellation is to be at the rate of 10 percent a year up to 5 years.

Applications for the National Defense Student Loan may be secured by writing to or calling at the Office of the Dean of Men at Bridgewater State College.

GENERAL INFORMATION

DORMITORY POLICIES

Senior women must be in dormitories by 11 p. m.

Regulations concerning special permission for later return on week-ends will be posted in each dormitory.

The recreation room of Tillinghast Dormitory is opened to the men of the college during the day and until eight o'clock each night.

Women commuting students may not remain in the dormitory after 10 p. m. If they wish to remain in the dormitory overnight, permission must be obtained from the Dean of Women, and the House Mother must be notified. For men, permission must be obtained to stay in the men's dormitory overnight from the Dean of Men.

HEALTH POLICIES

To protect the health of its students, Bridgewater State maintains the Health Service which is responsible for all College health programs. These include entrance physical examination, daily medical clinic, and medical supervision of recreational and athletic activities.

Medical insurance plans are available at a low cost to the student, including Blue Cross-Blue Shield.

If unable to attend classes because of illness, students should fill out a slip immediately at the nurse's office. Before returning to the classroom a slip from the nurse must be presented to the Dean, who will sign the excuse for absence.

Cases involving absences of more than one day should be reported to the Deans by telephone or letter immediately.

LIBRARY REGULATIONS

Library hours will be posted soon after registration for full and part-time students.

Books are borrowed for a period of two weeks and may be renewed if there is no request for the book.

Books and other material borrowed are charged out to the borrower at the library circulation desk.

Books which are limited in number and assigned by an instructor are usually in reserve. If they are in great demand, they may not be taken out before a designated time. These books are kept on the shelves in back of the circulation desk. The S.C.A. Library Committee controls the fining system.

POLICY ON ALCOHOLIC BEVERAGES AND SMOKING

The state law of Massachusetts provides that "no alcoholic beverages can be sold, delivered, or given in any way to a person under twenty-one years of age." The College supports this law without exception. No alcoholic beverages shall be allowed in any College building or on any College property. No alcoholic beverages may be served at any College-sponsored event, including athletic events.

Smoking on the campus is limited to the recreation rooms of Woodward, Tillinghast, Pope Hall, Men's Dorm, and the smoking rooms in Boyden Hall, The Science Building and Gymnasium.

STANDARDS OF DRESS

The choice of a professional career indicates the student's willingness to accept the requirements which society will demand of him by way of proper patterns of behavior, including careful attention to dress and personal appearance.

Bridgewater State College expects of its students neat and appropriate dress at all times both in the classroom, including registration and examination periods, and in the use of the facilities of the College such as the lounges, library, dining areas, and the like. A detailed statement of dress standards will be promulgated after the beginning of the academic year.

Campus Traffic Policies

Providing adequate parking facilities and the proper supervision of campus traffic has become a major problem on college and university campuses throughout the United States. This is especially true of institutions where a large percent of the student body commute daily, as in the case of Bridgewater State College.

In an effort to protect students and visitors to the College from injury resulting from automobile accidents as well as to provide as much security as possible for motor vehicles parked on the campus, the Administration has established the following rules and regulations which must be scrupulously observed. Failure to cooperate may lead to suspension or dismissal of students.

1. All students must register any automobile or motor vehicle driven to the college campus.
2. All student-driven automobiles parked on the campus must exhibit campus parking decals.
3. Each student must park his automobile in the Parking Area designated by his parking decal.
4. After parking their cars, all drivers should always remove the ignition keys and lock all doors.

5. The College is not liable for any equipment or material stolen from a car parked on the Campus.
6. Cars must be parked exactly between the parking stall lines painted on the parking pavement.
7. No parking, at any time, is permitted on the grassy areas of the campus.
8. All rules and regulations, whether painted on the pavement or carried on directional signs, must be observed.
9. Students must obey all municipal traffic and parking regulations when leaving their cars on city streets. Please be considerate of homeowners when parking in residential areas.
10. Motor vehicles operated on the campus shall not exceed a maximum speed of ten miles per hour.

ACADEMIC PROCEDURES

The regular academic year (exclusive of the summer session) consists of two semesters of sixteen weeks each. Curricula leading to baccalaureate degrees are so planned that a student pursuing a normal program will ordinarily be able to complete the requirements for graduation in four years (eight semesters). Thus, as the "semester-hour" becomes the unit of credit, it represents one class recitation (50 minute) period each week with two additional hours of preparation outside of class.

Grading System

The College uses the traditional letter-grade system of marking to indicate the student's relative performance, as follows:

Performance	Letter-Grade
Excellent -----	A
Good -----	B
Fair -----	C
Passing -----	D
Failure -----	E

In computing averages, grades will be assigned the following numerical values: A, 4; B, 3; C, 2; D, 1; E, 0. Promotional averages will be annually cumulative: for freshmen to advance to sophomore status, an average of 1.5 will be required; to advance to junior status, an average of 1.75 will be required; to advance to senior status and to be eligible for graduation, a cumulative average of 2.0 for the four years will be necessary.

Warning, Probation and Dismissal

The College expects each individual to work up to his maximum capacity. Warning notices are given at mid-semester to those students who fail to maintain a "C" average in any course.

At the end of each semester the Faculty Committee on Academic Standing reviews the records of all students whose achievement falls below the required minimum standard. Those individuals who are adjudged to have a reasonable chance to raise their total average to an acceptable level within one sem-

ester are placed on probation. These students are notified of their precarious status and are scheduled for a personal interview with the Faculty Committee on Academic Standing.

All other students will be dropped from the college roster.

Withdrawal and Re-Admission

Any student who feels he must prematurely terminate his education at the College should withdraw officially to insure an honorable dismissal. Official withdrawal forms are obtained from the Registrar's Office and must be signed by the Academic Dean and by special officers. Should the student leave the College without giving this official notification, failing grades will be recorded for all courses.

Students who have officially withdrawn in good standing may apply for re-admission to the College through the Director of Admissions. Application should be made as early as possible prior to the beginning of the semester, in order to secure a place on the roster before the quota enrollment is filled.

COURSE DESCRIPTIONS

Courses are listed in alphabetical order according to department. The numbering system accords strictly with the following plan:

1. Courses for Freshmen **only** are numbered 100 to 180.
2. Courses for Freshmen and Sophomores are numbered from 181 to 199.
3. Courses for Sophomores **only** are numbered from 200 to 280.
4. Courses for Sophomores and Juniors are numbered from 281 to 299.
5. Courses for Juniors **only** are numbered from 300 to 380.
6. Courses for Juniors and Seniors are numbered from 381 to 399.
7. Courses for Seniors **only** are numbered from 400 to 480.
8. Course numbers ending in "0" indicate one semester courses which are offered either semester.
9. Course numbers ending in an odd digit indicate either first semester offerings or full year courses.
10. Course numbers ending in even digits indicate second semester offerings only.

BACHELOR OF SCIENCE IN EDUCATION

Secondary Education

Students in the Class of 1965 who are preparing to teach in junior or senior high school are enrolled in a program of study which leads to a Bachelor of Science Degree.

Students in the classes of 1966 and 1967, who are preparing for secondary teaching, have chosen this program or have elected to pursue a program leading to the Degree of Bachelor of Arts with a minor concentration in Education.

Students in the Class of 1968 may matriculate for either degree.

The Bachelor of Arts Program, which is outlined on the following pages, enables the student to receive a Secondary Teaching Certificate immediately upon graduation. The basic difference between the two is that the Bachelor of Science Program carries with it 30 semester hours of required credit in professional education courses and no foreign language study, while the Bachelor of Arts Program with a minor concentration in education carries only 18 semester hours in professional education courses and 12 semester hours in foreign language.

Members of the Class of 1969 (September 1965 entering Freshmen), who desire to prepare for secondary teaching assignments must enroll themselves in the Bachelor of Arts with a minor concentration in Education Program, as the Bachelor of Science Program for secondary majors will be discontinued for that and subsequent freshman classes.

BACHELOR OF SCIENCE IN EDUCATION

Elementary Education

All students preparing to teach in the first six grades will enroll themselves in the following program:

GENERAL EDUCATION 65 s.h.

Humanities and Fine Arts 26 s.h.

English	12	EN 101 and 102	6	English Composition
		EN 211 and 212	6	English Literature
Speech	2	OC 100	2	Oral Communication
Art	6	AR 110	3	Introduction to Art
		AR 213	3	Crafts (Includes Methods and Materials)
Music	3	MU 110	3	Introduction to Music
Philosophy	3	ED 381	3	General Philosophy

BACHELOR OF SCIENCE IN EDUCATION

Major Curriculum in Health and Physical Education for Women

All students preparing to teach Health and Physical Education will enroll themselves in the following program.

FRESHMEN

English 110 Composition.....	6
Biology 110 Gen. Botany.....	3
Biology 120 Gen. Zoology.....	3
Mathematics 110	3
HPE 171, 172 Anatomy.....	4
HPE 161 Introduction to Physical Education	2
HPE 151 Personal and Community Health	3
Art 110	2
Music 110	2
Physical Education Activities.....	4
Apparatus 1	
Basketball 1	
Field Hockey 1	
Folk Dance 1	
Modern Dance 1	
Movement Fundamentals	
Soccer	
Social Dance	
Swimming 1	
Tap Dance	
Tumbling	
Square Dance 1	

JUNIORS

Education 381 Phil.....	3
Education 371 Supv. Practice Teaching	6
Sociology 300	3
HPE 361 Coaching.....	3
HPE 372 Applied Anatomy and Kinesiology	3
HPE 351 Body Mechanics.....	2
Biology 383 Physiology.....	3
Biology 399 Microbiology	3

SOPHOMORES

Speech 200	2
Education 280 Gen. Psych.....	3
Education 226 Adol. Psych.....	3
History 221 U. S. History and Constitution	6
Chemistry 131	3
Mechanics 251.....	3
HPE 250 First Aid.....	1
HPE 252 Methods in Health Education	2
HPE 260, 261 Officiating.....	4
HPE 263 Methods in Physical Education	2
Physical Education Activities.....	4
Apparatus 2	
Badminton 1	
Basketball 2	
Field Hockey 2	
Folk Dance 2	
Games 1	
Methods Laboratory	
Modern Dance 2	
Softball 1	
Swimming 2	
Tennis 1	

SENIORS

HPE 451 Sch. Health Adm. and Safety	3
Education 423 Educational Measurement	3
Education 461 History and Philosophy	4.5
Education 471 Supervised Practice Teaching	6
HPE 471 Physiology of Exercise....	2
HPE 460 Organization and Admin. of P. E.....	2

Physical Education Activities.....	4	HPE 462 Evaluation in Physical Education	2
Archery	1	HPE 464 Supervision in Physical Education	3
Games	2	HPE 466 Seminar.....	2
Gymnastics		Speech 400	2
LaCrosse	1	Physical Education Activities.....	4
Modern Dance	3	Apparatus	3
Softball	2	Archery	2
Square Dance	2	Badminton	2
Track and Field		Golf	
Volleyball		LaCrosse	2
		Swimming	3
		Tennis	2
		Community Rec.	

LIBERAL ARTS CURRICULA

The State College at Bridgewater will award its first degree of Bachelor of Arts in June 1966. These degrees will all carry with them an education minor. Commencing in June 1967, Bachelor of Arts Degrees with minors in other areas will be granted.

The following major fields of specialization are available within the liberal arts program:

Biology
 Chemical-Physics
 Earth Science
 English
 French
 History and Political Science
 Mathematics

The sequence of courses for each major area of study begins on the following page.

Bachelor of Arts with a Required Minor in Education

I. BASIC REQUIREMENTS

A. Humanities and Fine Arts

All students must take the following courses:

English Composition	6
English Literature	6
Oral Communications	2

All students must take the following courses unless exempted by examination:

Foreign Language	12
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All students must elect two courses from the following:

Art	3
Music	3
Philosophy	3

B. History and the Social Sciences

All students must take the following courses:

History of Western Civilization_	6
U. S. History and Constitutions_	6
General Psychology	3

All students must elect two courses from the following:

Economics	3
Sociology	3
Government	3

C. The Natural Sciences and Mathematics

All students must take the following course:

Mathematical Analysis	6
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All students must elect two, one-year sequences in a laboratory science from among the following:

Biology	6
Chemistry	6
Physics	6
Physical Science	6
Earth Science	6

II. MAJOR REQUIREMENTS

Each student must complete not less than 24 and not more than 36 semester hours of credit in his major field of concentration.

III. EDUCATION MINOR

Each student must complete a minimum of 18 semesters of credit in professional education courses, 6 of which will be earned in practice teaching in the senior year.

Bachelor of Arts Degree with Education Minor

Biology Majors

FRESHMAN YEAR

First Semester

EN.101 English Composition....	3
HI.111 West. Civilization-1660...	3
MA.103 Math. Analysis I.....	3
HPEM.115 Personal Health.....	1
HPEW.115 Personal Health.....	1
HPEM.123 Physical Ed. Activ... 0	
HPEW.123 Physical Ed. Activ... 0	
CH.131 General Chemistry.....	3
BI.110 General Botany or	3
BI.120 General Zoology	3

Second Semester

EN.102 English Composition ...	3
HI.112 West Civil. from 1660....	3
MA.104 Math. Analysis II.....	3
HPEM.116 Personal Health.....	1
HPEW.116 Personal Health.....	1
HPEM.124 Physical Ed. Activ... 0	
HPEW.124 Physical Ed. Activ... 0	
CH.132 General Chemistry	3
BI.120 General Zoology or	3
BI.110 General Botany	3

16

16

SOPHOMORE YEAR

EN.211 World Literature.....	3
LF. or LG.101 Foreign Language	3
PH.181 General Physics	3
OC.200 Oral Communications ...	2
BI.220 Field Biology	1.5
BI.281 Invert. Zoology	3
HPEW.223 Physical Ed. Act....	0

EN.212 World Literature	3
LE. or LS.102 Foreign Language	3
PH.182 General Physics	3
ED.280 General Psychology.....	3
BI.220 Field Biology	1.5
BI.292 Plant Anatomy	3
HPEW.224 Physical Ed. Act....	0

15.5

16.5

JUNIOR YEAR

HI.281 U.S. History and Const..	3
Humanities Elective	3
Social Studies Elect.....	3
ED.343 Prin. of Sec. Ed.....	3
BI.393 Genetics	3
LF. or LG. Foreign Language...	3

HI.282 U.S. History and Const...	3
Humanities Elective	3
Social Studies Elect.....	3
BI.282 Comp. Chord. Anat.....	3
BI.397 Plant Physiology.....	3
LF. or LG. Foreign Language...	3

18

18

SENIOR YEAR

ED.461 Philosophy of Ed.....	3
ED.346 Teaching of Biology.....	3
BI.383 Animal Physiology	3
BI.395 Microbiology	3
BI.401 Seminar in Biology.....	0.75
BI.411 Ecology	1.5

ED.463 Tests and Measurements.	3
ED.471 Supv. Tchg. in Pub. Sch.	6
ES. Geology	3
BI.401 Seminar in Biology.....	0.25
BI.411 Ecology	1.5

14.25

13.75

Bachelor of Arts Degree with Education Minor

Chemical Physics Majors

FRESHMAN YEAR

First Semester

CH.141 College Chemistry	4
EN.101 English Composition....	3
HPEM.115 Health—Personal... 1	
HPEW.115 Health—Personal... 1	
HPEM.123 Physical Ed. Activ... 0	
HPEW.123 Physical Ed. Activ.. 0	
HI.111 Western Civilization.....	3
LF. or LG.101 Foreign Language	3
M.101 Analytical Geometry	4

18

Second Semester

CH.142 College Chemistry	4
EN.102 English Composition	3
HPEM.116 Personal Health 1	
HPEW.116 Personal Health ... 1	
HPEM.124 Physical Ed. Activ... 0	
HPEW.124 Physical Ed. Activ... 0	
HI.112 Western Civilization.....	3
LF. or LG.102 Foreign Language	3
MA.102 Analytical Geometry ...	4

18

SOPHOMORE YEAR

MA.201 Calculus II	4
EN.211 Types of World Liter... 3	
LG.181 German	3
Quantitative Analysis ... 4	
Molecular Physics	4
OC.200 Oral Communication	2

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MA.202 Calculus III	4
EN.212 Types of World Liter... 3	
LG.182 German	3
Molecular Physics	4

14

JUNIOR YEAR

CH.385 Organic Chemistry	4
PH.385 Electricity and Rad. En. 4	
MA. Statistics and Probability... 4	
ED. Psychology	3

15

CH.385 Organic Chemistry	4
PH.385 Electricity and Rad. En.. 4	
ED.381 Philosophy	3
ED. Education	6

17

SENIOR YEAR

Physical Chemistry	4
Research and Seminar... 3	
HI.220 U.S. History	3
Chemical Thermodynamics 4	
Education	6

20

Physical Chemistry	4
Research and Seminar... 3	
HI.221 U.S. History	3
Education	8

18

Bachelor of Arts Degree with Education Minor

Earth Science Majors

FRESHMAN YEAR

First Semester

EN.101 English Composition....	3
HI.111 History of West. Civil...	3
MA.103 Mathematical Analysis I	3
HPEM&W.115 Personal Health..	1
HPEM&W.123 Phys. Ed. Activity	0
ES.181 Physical Geology	3
LF. or LG.101 Foreign Language	3

16

Second Semester

EN.102 English Composition ...	3
HI.112 History of West. Civil....	3
M.104 Mathematical Analysis II.	3
HPEM&W.116 Personal Health .	1
HPEM&W.124 Phys. Ed. Activ..	0
ES.183 Physical Geography	3
LF. or LG.102 Foreign Language	3

16

SOPHOMORE YEAR

EN.211 World Literature	3
Science Elective	3
ED.280 General Psychology....	3
HI.281 U.S. History	3
LF. or LG.201 Foreign Language	3
OC.200 Oral Communication	2

17

EN.212 World Literature	3
Science Elective	3
ES.192 Historical Geology	3
HI.282 U.S. History	3
LF. or LG.202 Foreign Language	3

15

JUNIOR YEAR

ED.343 Principles of Sec. Ed....	3
ES.315 Cartography	3
ES.303 Meteorology	3
Humanities Elective	3
Social Studies Elect....	3

15

ED.344 Teaching of Earth Science	3
ES.362 Economic Geography	3
ES.304 Climatology	3
ES.306 Oceanography	3
Humanities Elective	3

15

SENIOR YEAR

ED.461 Philosophy of Ed.....	3
ES.453 Geography of Europe....	3
ES.471 Seminar in Geography...	3
MA. Statistics and Probability..	3
Social Science Elect.....	3

15

ED.463 Tests and Measurements.	3
ES.453 Geography of Asia.....	1.5
ES.484 Geomorphology	3
ED.471 Practice Teaching	6

13.5

Bachelor of Arts Degree with Education Minor

English Majors

FRESHMAN YEAR

First Semester

EN.101 English Composition....	3
HI.111 Western Civilization....	3
HPEM.115 Personal Health.....	1
HPEW.115 Personal Health.....	1
HPEM.123 Physical Ed. Activ... 0	
HPEW.123 Physical Ed. Activ... 0	
LF. or LG.101 Foreign Language	3
Lab. Science Elect.....	3
MA.103 Math. Analysis I.....	3

16

Second Semester

EN.102 English Composition....	3
HI.112 Western Civilization	3
HPEM.116 Personal Health	1
HPEW.116 Personal Health	1
HPEM.124 Physical Ed. Activ... 0	
HPEW.124 Physical Ed. Activ... 0	
LF. or LG.102 Foreign Language	3
Lab. Science Elect.....	3
MA.104 Math. Analysis II.....	3

16

SOPHOMORE YEAR

EN.211 Intro. to World Lit.....	3
EN.221 Survey of English Lit... 3	
EN.200 Advanced Composition ..	3
LF. or LG.201 Foreign Language	3
Lab. Science Elect.....	3
Humanities Elect.	3

18

EN.212 Intro. to World Lit.....	3
EN.222 Survey of English Lit... 3	
ED.280 General Psychology	3
LF. or LG.202 Foreign Language	3
Lab. Science Elect.....	3
OC.200 Oral Communication....	2

17

JUNIOR YEAR

EN.331 American Literature....	3
ED.343 Principles of Sec. Ed....	3
ED.344 Teaching English in H.S.	3
HI.221 American History	3
English Electives	3

15

EN.332 American Literature ...	3
EN.341 Shakespeare	3
Humanities Electives ...	3
HI.222 American History	3
English Electives	3

15

SENIOR YEAR

ED.423 Tests and Measurements.	3
EN.397 Hist. & Struc. Eng. Lang.	3
Social Science Elect....	3
ED.471 Supv. Tchg. in Pub. Sch..	6

15

ED.461 Philosophy of Ed.....	3
English Electives	3
Social Science Elect....	3
Electives	6

15

Bachelor of Arts Degree with Education Minor

French Majors

FRESHMAN YEAR

First Semester

EN.101 English Composition	3
HI.111 History of West. Civil. . .	3
MA.103 Mathematical Analysis I	3
LF.181 Introd. to Adv. French. . .	3
Science Elective	3
HPEM&W.115 Personal Health . .	1
HPEM&W.123 Phys. Ed. Activ. . .	0

16

Second Semester

EN.102 English Composition	3
HI.112 History of West. Civil. . .	3
MA.104 Mathematical Analysis II	3
LF.182 Introd. to Adv. French. . .	3
Science Elective	3
HPEM&W.116 Personal Health. .	1
HPEM&W.124 Physical Ed. Act. .	0

16

SOPHOMORE YEAR

ED.280 General Psychology	3
EN.211 World Literature	3
LF.201 Survey of French Liter. . .	3
LF.281 Adv. French Conversation	3
Science Elective	3
HPEM&W.223 Physical Ed. Act. .	0

15

Humanities Elect.	3
EN.212 World Literature	3
LF.202 Survey of French Liter. . .	3
OC.200 Oral Communication	2
Science Elective	3
HPEM&W.224 Physical Ed. Act. .	0

14

JUNIOR YEAR

HI.281 U. S. History.	3
Humanities Elect.	3
LF.301 Class. Period in Fr. Lit. . .	3
LF.381 Phonetics and Oral Fr. . .	3 or
Social Studies Elect.	3
ED.343 Principles of Sec. Ed. . . .	3

18

HI.282 U. S. History.	3
Humanities Elect.	3
LF.302 Class. Period in Fr. Lit. . .	3
LF.382 Adv. Comp. and Gram. . .	3
Social Studies Elect.	3

16

SENIOR YEAR

ED.423 Test and Measurements. . .	3
LF.383 19th C. French Lit.	3
LF.401 Modern French Literature	3
Electives	3
ED.461 Philosophy of Ed.	3

15

ED.471 Practice Teaching	6
LF.384 19th C. French Lit.	3
LF.402 Modern French Literature	3
Electives	3

15

Bachelor of Arts Degree with Education Minor

History Majors

FRESHMAN YEAR

First Semester

EN.101 English Composition....	3
HI.111 History of West. Civil....	3
MA.103 Mathematical Analysis I	3
Science	3
LF. or LG.101 Foreign Language	3
HPEM.115 Health-Personal	1
HPEW.115 Personal Health	1
HPEM.123 Physical Ed. Act....	0
HPEW.123 Physical Ed. Act....	0

16

Second Semester

EN.102 English Composition	3
HI.112 History of West. Civil....	3
MA.104 Mathematical Analysis II	3
Science	3
LF. or LG.102 Foreign Language	3
HPEM.116 Personal Health	1
HPEW.116 Personal Health	1
HPEM.124 Physical Ed. Act....	0
HPEW.124 Physical Ed. Act....	0

16

SOPHOMORE YEAR

EN.211 Introduction to World Lit.	3
HI.221 U. S. History.....	3
LF. or LG.201 Foreign Language	3
ED.280 Psychology	3
Science	3
OC.200 Oral Communication	2

17

EN.212 Introd. to World Liter...	3
HI.222 U. S. History.....	3
LF. or LG.202 Foreign Language	3
Humanities (Elect.)	3
Science	3

15

JUNIOR YEAR

History (Electives)	6
Social Science (Elect)...	3
Humanities (Elect)	3
ED.343 Principles of Sec. Ed....	3

15

History (Electives)	6
Social Science (Elect) ..	3
Teaching of History....	3
Open Elective	3

15

SENIOR YEAR

ED. Practice of Teaching....	6
ED.461 Philosophy of Ed.....	3
Electives	6

15

ED.423 Educa. Measurements...	3
History (Electives)	9
Electives	3

15

Bachelor of Arts Degree with Education Minor

Mathematics Major

FRESHMAN YEAR

First Semester

MA.101 Mathematical Analysis..	4
EN.101 English Composition ...	3
HI.111 History of Western Civil.	3
LF. or LG.101 Foreign Language	3
Lab Science	3
HPEM&W.115 Personal Health .	1
HPEM&W.123 Physical Ed. Act.	0

17

Second Semester

MA.102 Calculus I	4
EN.102 English Composition	3
HI.112 History of Western Civ..	3
LF. or LG.101 Foreign Language	3
Lab Science	3
HPEM&W.116 Personal Health .	1
HPEM&W.124 Physical Ed. Act.	0

17

SOPHOMORE YEAR

MA.201 Calculus II	4
EN.221 English Literature	3
HI.211 U.S. History and Const...	3
LF. or LG.201 Foreign Language	3
Humanities Elective	3

16

MA.202 Calculus III	4
EN.222 English Literature	3
HI.212 U.S. History and Const..	3
LF. or LG.202 Foreign Language	3
Humanities Elective	3

16

JUNIOR YEAR

MA.301 Abstract Algebra	3
MA.303 Number Theory	3
Physics	3
ED.280 Psychology	3
Education	3

15

MA.302 Linear Algebra	3
MA.304 Geometry	3
Physics	3
Social Studies Elective..	3
Education	3

15

SENIOR YEAR

MA.401 Advanced Calculus	3
MA.403 Probability and Statis...	3
Oral Communications ..	2
EC.400 Economics	3
Education	3

14

MA.402 Fund. Conc. of Math....	2
MA.404 Math. Seminar	2
ED.471 Practice Teaching	6
Education	3

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CURRICULA

The State College at Bridgewater is authorized to grant the degrees of Bachelor of Science in Education and Bachelor of Arts upon the satisfactory completion of the requirements and conditions prescribed in each of the curricula. The details of each of these curricula will be found on the pages immediately following.

An examination of the content of each curriculum will show that the largest segment of study is required in the area of general education. The teacher preparatory curricula also contain professional courses dealing with the content, organization and methods of work in the public schools.

Graduation Requirements

Degrees will be awarded to candidates who have fulfilled the following requirements:

1. Completion of the requirements in one of the curricula listed on the following pages. A minimum of 120 semester hours of credit is a criteria of all curricula.
2. Completion of a minimum of one year of resident study.
3. Attainment of a cumulative quality point average of 2.0 or higher for four years of study.
4. Clearance of all financial obligations to the college.

Distribution

For distribution purposes the following groupings are used throughout:

- A. The Humanities and Fine Arts
- B. History and Social Sciences
- C. The Natural Sciences and Mathematics
 - A. **The Humanities and Fine Arts**
 - English
 - Foreign Languages
 - Art
 - Music
 - Philosophy
 - Oral Communication
 - B. **History and the Social Sciences**
 - Government
 - Psychology
 - Sociology
 - Economics
 - C. **The Natural Sciences and Mathematics**
 - Biology
 - Physics
 - Chemistry
 - Earth-Science
 - Mathematics

ART

Doris E. Tebbetts, Chairman, Associate Professor; Robert A. Daniel, Associate Professor; Lyle K. Bush, Instructor; Shirley A. Bump, Instructor.

The primary purpose of the department is to provide all students with the insights and knowledge needed for understanding (1) the important role of the visual arts in any culture, (2) the involvement of the individual artist in the process of creation, (3) the various media and techniques used by the artist, and (4) esthetic criteria evolved from developing standards of taste.

For students majoring in elementary education, courses in the various craft processes, experimentation with art materials, and methods used in elementary teaching are required.

ART 110. Introduction to Art.

An approach to the arts with stress on image, artist, and the interactively emergent ideas. Designed to initiate sensitive and enduring awareness of things artistic, course content includes material suitable for teacher-adaptation to the child's early experience with great works of art.

Two periods weekly for one semester. Assigned studio experimentation and reading.

2 semester hours credit.

ART 130. Introduction to Art.

An approach to the arts with stress on image, artist, and the interactively emergent ideas. Course content is designed to initiate sensitive and enduring awareness of things artistic throughout life experience.

Three periods weekly for one semester. Assigned studio experimentation and reading.

3 semester hours credit.

ART 120. Art in Physical Education.

An introduction to creative activities which are directly related to camp and recreational craft programs. Attention will be given to an understanding of esthetic elements which are basic to all art activity.

Two periods weekly for one semester. Additional studio work and reading required.

1 semester hour credit.

ART 213. Crafts in Elementary Education.

Direct experience with a wide variety of materials, and instruction in the process for their use relative to the creative needs of children in the elementary grades.

Two periods weekly for two semesters. Additional studio work and reading required.

2 semester hours credit.

ART 381. Advanced Crafts.

A course in which students having previous training and experience in handicrafts may attain a higher level of achievement, concentrating in one or two areas.

Prerequisite: ART 213, or permission of the instructor.

Two periods weekly for two semesters, 2 semester hours credit.

Four periods weekly for one semester, 2 semester hours credit.

(Additional studio work required in either situation.)

ART 380. Interior Design.

Traditional and contemporary styles in furniture and interior design are studied in illustrated lectures and field trips. Problems in the selection and arrangement of home furnishings afford opportunity for the development of individual taste.

Three periods weekly for one semester, 3 semester hours credit.

Two periods weekly for one and one-half semesters, 3 semester hours credit.

Two periods weekly for one semester, 2 semester hours credit.

ART 383. Techniques of Drawing and Painting.

Experimentation with a variety of media such as charcoal, pastel, water color, gouache, and oil. The student may work with varied subject matter including portraits, landscapes, still life and the costumed figure. Evaluation will be based on the individual student's extent of growth during the course.

Two double periods weekly for one and one-half semesters, 3 semester hours credit.

Two double periods weekly for one semester, 2 semester hours credit.

ART 391. History of Art.

An inquiry into the value of the arts as comprising a visual commentary on the changing ideas of history. The student selects, with the instructor's approval, a work of distinction from the museum galleries and uses it as a core of individual study throughout the course.

Two periods weekly for one and one-half semesters.

3 semester hours credit.

AUDIO-VISUAL

Henry Rosen, Chairman, Professor; Rogert G. Simmons,
Instructor.

AUDIO-VISUAL 310. Audio-Visual Education—Materials and Methods.

An introduction to audio-visual education designed to improve teaching. The course includes instruction in and application of still pictures, motion pictures, slides, filmstrips, recordings, radio, television, three dimensional materials, field trips, flannel boards, chalk boards and all types of teaching machines. Instruction in sources of teaching aids and supplementary materials accompanies the laboratory procedures.

One lecture period and a 2-hour laboratory period per week for one semester.

2 semesters hours credit.

Professor Rosen

AUDIO-VISUAL 410. Audio-Visual Education—Materials and Methods.

(Elective for Seniors)

Same as Audio-Visual 310.

Professor Rosen

AUDIO-VISUAL 420. Advanced Audio-Visual Education.

This course is a directed study course. The student will concentrate on the coordination of audio-visual materials in his field of choice with the various units of the Massachusetts Curriculum Guides.

Three periods weekly for one semester.

3 semester hours credit.

Professor Rosen

BIOLOGICAL SCIENCES

Frank J. Hilferty, Chairman, Commonwealth Professor; Elizabeth M. Cirino, Professor; Kenneth J. Howe, Professor; Lawrence B. Mish, Professor; William J. Wall, Jr., Professor; James R. Brennan, Associate Professor; Robert A. Coler, Assistant Professor; Walter A. Morin, Assistant Professor; Charles W. Howie, Jr., Instructor.

The Department of Biological Sciences offers a broad, integrated program in biology. The curriculum is designed to prepare students for teaching, research, and graduate work.

BIOLOGY 110. General Botany.

A course designed to acquaint students with the principles of plant structure and functions. Major groups of plants are considered and the following topics are given appropriate elementary treatment: photosynthesis, respiration, transpiration, growth, reproduction, heredity, evolution, disease, and ecology.

Two lecture periods and one 2-hour laboratory period weekly for one semester.

3 semester hours credit.

Commonwealth Professor Hilferty
Professor Howe
Professor Mish
Associate Professor Brennan
Mr. Howie

BIOLOGY 120. General Zoology.

An introduction to the principles of biology with special reference to zoological aspects. Emphasis is placed on the following topics: protoplasm and the cell, taxonomy, histology, parasitology, vertebrate and invertebrate anatomy and physiology, embryology, ecology, evolution, and a general survey of the animal kingdom.

Two lecture periods and one 2-hour laboratory period weekly for one semester.

3 semester hours credit.

Professor Wall
Professor Cirino
Assistant Professor Coler
Assistant Professor Morin

BIOLOGY 281. Invertebrate Zoology.

The biology of invertebrates with emphasis on comparative morphology, taxonomy, physiology, natural history and evolution. Representatives of the principal classes of each phylum are studied.

Prerequisite: Biology 120.

Two lecture periods and one 2-hour laboratory period weekly for one semester.

3 semester hours credit.

Professor Wall

BIOLOGY 282. Comparative Chordate Anatomy.

A phylogenetic approach to the study of chordate gross anatomy supplemented by laboratory dissections of amphioxus, sand shark, mud puppy, turtle, pigeon and cat. Emphasis is placed on interpretation of morphological trends imposed on chordate systems by environmental stimuli.

Prerequisite: Biology 120.

Two lecture periods and one 2-hour laboratory period weekly for one semester.

3 semester hours credit.

Assistant Professor Coler

BIOLOGY 283. Field Natural History.

The identification, classification, and natural history of local plants and animals. Techniques of collecting and preserving specimens are included.

Prerequisites: Biology 110, Biology 120.

Four laboratory periods weekly for two quarters.

2 semester hours credit.

Commonwealth Professor Hilferty
Professor Wall
Professor Cirino
Professor Mish
Assistant Professor Coler

BIOLOGY 292. Plant Anatomy.

A study of the anatomical structure of plants with special emphasis on the vascular groups. Laboratory work includes microtechnique.

Prerequisite: Biology 110.

Two lecture periods and one 2-hour laboratory period weekly for one semester.

3 semester hours credit.

Mr. Howie

BIOLOGY 300. Biochemistry.

A study of the functions, chemical transformations and attendant energetic changes associated with basic biological phenomena.

Prerequisites: Biology 110, Biology 120, Chemistry 131.

Three lecture periods weekly for one semester.

3 semester hours credit.

Assistant Professor Coler

BIOLOGY 383. Animal Physiology.

The physiological processes of vertebrate animals with particular emphasis on man. Topics included are muscle-nerve, circulation, excretion, digestion, respiration, metabolism, and endocrinology.

Prerequisites: Biology 120, Chemistry 131, or permission of the instructor.

Two lecture periods and one 2-hour laboratory period weekly for one semester.

3 semester hours credit.

Assistant Professor Morin

BIOLOGY 385. Physiology for Physical Education Majors.

Consideration is given to general physiological principles and their application to physical education. Topics covered are the physiology of exercise, muscle movement, excitation, and hormonal control.

Prerequisites: Chemistry 251, Physics 251, and Biology 120.

Two lecture periods and one 2-hour laboratory period weekly for one semester.

3 semester hours credit.

Assistant Professor Morin

BIOLOGY 392. Problems in Biology.

Special problems for advanced students desiring individual instruction in the methods of general biological, botanical, or zoological investigation.

Prerequisite: Permission of the Faculty of Biology.

Credits and hours to be arranged.

Staff

BIOLOGY 393. Genetics.

An intensive study of the basic principles of heredity and variation in plants and animals. Emphasis is placed on methods of problem solving and the historical background of the science.

Prerequisites: Biology 110, Biology 120 or permission of the instructor.

Two lecture periods and one 2-hour laboratory period weekly for one semester.

3 semester hours credit.

Associate Professor Brennan

BIOLOGY 395. Microbiology.

An introduction to the culture, growth, and identification of micro-organisms significant to man. Special emphasis is directed toward laboratory techniques.

Prerequisites: Biology 110, Chemistry 131, or permission of the instructor.

Two lecture periods and one 2-hour laboratory period weekly for one semester.

3 semester hours credit.

Professor Mish

BIOLOGY 397. Plant Physiology.

An introduction to the growth and function of plants, including cellular physiology, water relations, metabolism, respiration, photosynthesis, nutrition, and the influence of environment on the growth and development of higher plants.

Prerequisites: Biology 110, Chemistry 131, or permission of the instructor.

Two lecture periods and one 2-hour laboratory period weekly for one semester.

3 semester hours credit.

Professor Howe

BIOLOGY 399. Microbiology for Physical Education Majors.

A course designed to give a broad perspective of the field of microbiology, with special emphasis given to applied aspects of the field: industry, food, water and disease.

Prerequisite: Biology 110, Chemistry 251.

Two lecture periods and one 2-hour laboratory period weekly for one semester.

3 semester hours credit.

Professor Mish

BIOLOGY 401. Seminar in Biology.

Discussion of current problems and research in the biological sciences. The Seminar will be comprised of the faculty and seniors of the Department of Biological Sciences. All interested members of the college faculty and qualified students are invited to participate.

One period weekly for two semesters.

1 semester hour credit.

Staff

BIOLOGY 405. Systematics and Evolution.

A consideration of contemporary taxonomic problems in the light of evolutionary phenomena. Emphasis is placed on such mechanisms of specialization as mutation, variation, hybridization, polyploidy, isolation, natural selection, and genetic drift.

Prerequisite: Permission of the instructors.

Three lecture periods weekly for two quarters.

3 semester hours credit.

Commonwealth Professor Hilferty
Professor Wall

BIOLOGY 411. Ecology.

A study of the interrelations of plants and animals with their environment—physical and biological. This course emphasizes the dynamics and evolution of populations, communities and ecosystems. Students will become acquainted with the communities of Southeastern Massachusetts through field studies which make up the major portion of the laboratory requirement.

Prerequisite: Permission of the instructor.

Two lecture periods and one 2-hour laboratory period weekly for two quarters.

3 semester hours credit.

Professor Cirino

BIOLOGY 422. Radiation Biology.

A study of unstable isotopes and the types of radiation in the electromagnetic spectrum. Emphasis is placed on their biological effects, use in the field of biology, and precautions necessary for utilization.

Prerequisite: Permission of the instructor.

Two lecture periods and one 2-hour laboratory period weekly for two quarters.

3 semester hours credit.

Assistant Professor Morin

BIOLOGY 427. Cytology.

A detailed study of cellular morphology and organization, including descriptions of major intracellular processes and functional significance of cellular structures.

Prerequisite: Biology 393.

Two lecture periods and one 2-hour laboratory period weekly for one semester.

3 semester hours credit.

Associate Professor Brennan

BIOLOGY 490a. Biological Science. BSCS Yellow Version

Selected subject material of importance to proper presentation of BSCS Yellow Version High School Biology is covered in detail. Lecture topics presented are animal physiology, general biochemistry, plant evolution, and plant physiology. Representative laboratory exercises are performed by the student in the following areas: animal physiology and plant physiology. Methods and materials of value to the introduction of this curriculum in the high school are thoroughly discussed.

Prerequisite: Permission of the faculty of Biology.

Two lecture periods and one 2-hour laboratory period weekly for two semesters.

6 semester hours credit.

Staff

BIOLOGY 490b. Biological Science. BSCS Yellow Version.

Selected subject material of importance to proper presentation of BSCS Yellow Version High School Biology is covered in detail. Lecture topics presented are animal evolution, ecology, genetics, and microbiology. Representative laboratory exercises are performed by the student in the following areas: ecology, embryology, genetics, microbiology and microtechnique. Methods and materials of value to the introduction of this curriculum in the high school are thoroughly discussed.

Prerequisite: Permission of the faculty of Biology.

Two lecture periods and one 2-hour laboratory period weekly for two semesters.

6 semester hours credit.

Staff

EARTH SCIENCES

*Courses not offered in 1964-1965

Staff: Professor E. Maier, Chairman; A. Macewicz, Associate Professor; I. Furlong, Assistant Professor; R. Fellows, Assistant Professor; L. Hayden, Instructor; F. Stern, Instructor; J. Chase, Visiting Lecturer.

EARTH SCIENCE 181. Physical Geology.

An introductory course involving the constitution of the earth together with an evaluation of the processes acting on and within it that result in geologic features.

Two lecture periods and one 2-hour laboratory period weekly for one semester. (This course may be followed by either ES 182 or ES 192 in the second semester.)

3 semester hours credit.

Assistant Professor Furlong

EARTH SCIENCE 182. Physical Geography.

A course in which the characteristics, classification, origin and distribution of the earth's physical features such as meteorology, climate, vegetation, etc., are studied. Emphasis is placed upon developing an understanding and appreciation of the relationships between the physical features of the earth and man.

Two lecture periods and one 2-hour laboratory period weekly for one semester.

3 semester hours credit.

Staff

EARTH SCIENCE 192. Historical Geology.

A historical study of the major geological events on the earth as revealed by the structure and composition of the rocks and the evolution of the fossil record.

Two lecture periods and one 2-hour laboratory period weekly for one semester.

3 semester hours credit.

Assistant Professor Furlong

EARTH SCIENCE 200. Fundamentals of Geography.

An introductory course in which the origins and distribution of patterns of natural features of earth environment are studied. This is to form a sound basis for understanding the relationship between the physical features of the earth and the cultural patterns of man.

Two lecture periods and one 2-hour laboratory period weekly for one semester.

3 semester hours credit.

Staff

EARTH SCIENCE 252. Geography of Anglo-America.

An application of the fundamentals studied in Earth Science 200 to the study of the geographic regions of Anglo-America. This course is designed to give familiarity with the methods of securing, organizing, and presenting geographical data; and to give the student knowledge about his own country. (Earth Science 200 is a prerequisite for this course.)

Three lecture periods weekly for one semester.

3 semester hours credit.

Staff

EARTH SCIENCE 301. Astronomy.

The solar system and stellar astronomy. A study of the earth, moon, planets, sun and other stars and galaxies. Emphasis is placed on such topics as the new findings of radio astronomy and the uses of earth satellites.

Three lecture periods weekly for one semester.

3 semester hours credit.

Professor Bates

EARTH SCIENCE 303. Meteorology I.

An introductory analysis of atmospheric behavior, weather elements, and cyclonic phenomena such as hurricanes, tornadoes, and frontal circulation.

Three lecture periods weekly for one semester.

3 semester hours credit.

Assistant Professor Fellows

EARTH SCIENCE 304. Climatology.

A study of climatic elements and climatic controls and their application to the analysis of climatic regions of the world.

Three lecture periods weekly for one semester.

3 semester hours credit.

Associate Professor Macewicz

EARTH SCIENCE 306. Oceanography.

A study of ocean water circulation, shore lines, ocean basins, and marine biological and mineral resources.

Three lecture periods weekly for one semester.

3 semester hours credit.

Mr. Chase

EARTH SCIENCE 311. Meteorology and Climatology.

A study of the principles of meteorology, their application to a study of weather and to the analysis of climatic regions of the world.

Three lecture periods weekly for one and one-half semesters.

4.5 semester hours credit.

Assistant Professor Fellows

EARTH SCIENCE 315. Cartography.

An analysis of map constructions and training in the graphic presentation of geographic data.

One lecture period and two 2-hour laboratory periods weekly for one semester.

3 semester hours credit.

Mr. Stern

EARTH SCIENCE 344. Methods of Teaching Earth Science.

This course deals with the major concepts of geography and technique of presentation. The class will be both forum and workshop for ideas, lesson plans and materials.

Three lecture periods weekly for one semester.

3 semester hours credit.

Associate Professor Maier

EARTH SCIENCE 351. Geography of Europe and Asia.

A study of selected geographic regions of Europe and Asia in which the physical and cultural patterns are analysed.

Three lecture periods weekly for one and one-half semesters.

4.5 semester hours credit. Associate Professor Macewicz

EARTH SCIENCE 352. Urban Geography.*

An analysis of the geographic aspects of a city including location, function, and land use patterns and tributary areas.

Three lecture periods weekly for one semester.

3 semester hours credit.

EARTH SCIENCE 361. World Regional Geography.

A study of selected nations. Emphasis is placed on current economic and political problems as they are affected by the geographic environment of the countries studied.

Three lecture periods weekly for one and one-half semesters.

4.5 semester hours credit.

Miss Hayden

EARTH SCIENCE 362. Economic Geography.

A study of the mineral, plant and soil resources of the world with emphasis on their location and present and potential uses. Manufacturing regions and the transportation systems that link the various regions of the world are also considered.

Three lecture periods weekly for one semester.

3 semester hours credit.

Miss Hayden

EARTH SCIENCE 372. Mineralogy.

An introduction to crystallography followed by the determinative and physical mineralogy of important rock and ore minerals.

Two lecture periods and two 2-hour laboratory periods weekly for one semester.

4 semester hours credit.

Assistant Professor Furlong

EARTH SCIENCE 383. Structural Geology.*

A study of the architecture of the earth as related to rock structures, their origin and description. Introduction to tectonics.

Two lecture periods and one 2-hour laboratory period weekly for one semester.

3 semester hours credit.

EARTH SCIENCE 401. Meteorology and Physical Geology.

A study of meteorology and its application to weather analysis, to be followed in the second semester by a study of the origin of land forms, minerals and rocks.

Three lecture periods weekly for one and one-half semesters.
4.5 semester hours credit. Assistant Professor Furlong

EARTH SCIENCE 405. Meteorology II.*

Synoptic Meteorology. Investigation of world and local air systems, air masses and fronts. Analysis of weather maps, upper air charts, and basic forecasting techniques.

Two lecture periods and one 2-hour laboratory period weekly for one semester.

3 semester hours credit.

EARTH SCIENCE 407. Air-Photo Interpretation.*

A study of the physical and cultural patterns on the earth's surface and their recognition on air photographs.

One lecture period and two 2-hour laboratory periods weekly for one semester.

3 semester hours credit.

EARTH SCIENCE 411. Physical and Historical Geology.

A consideration of the origin, structure, and history of the earth as revealed by its minerals, rocks, and fossils.

Two lecture periods and one 2-hour laboratory period weekly for one and one-half semesters.

4.5 semester hours credit. Assistant Professor Furlong

EARTH SCIENCE 453. Geography of Europe.

A study of the physical and cultural features of Europe with emphasis on developing the distribution of regional patterns.

Three lecture periods weekly for one semester.

3 semester hours credit. Associate Professor Macewiz

EARTH SCIENCE 458. Geography of South America.

A study of selected countries of South America in which the physical and cultural patterns are analyzed. Emphasis is placed on current economic and political problems.

Three lecture periods weekly for one-half semester.

1.5 semester hours credit. Associate Professor Maier

EARTH SCIENCE 461. Geography of Africa.*

A study of the physical and cultural features of the African continent with special reference to the emerging political and regional patterns.

Three lecture periods weekly for one semester.

3 semester hours credit.

EARTH SCIENCE 462. Geology of North America.*

A detailed study of each of the physiographic provinces of North America as related to the surface geomorphology and structural relationships.

Three lecture periods weekly for one semester.

3 semester hours credit.

EARTH SCIENCE 463. Petrology.

A classification and identification of rocks both by hand specimen and thin section techniques.

One lecture period and two 2-hour laboratory periods weekly for one semester.

3 semester hours credit.

Staff

EARTH SCIENCE 464. Economic Geology.*

An evaluation of the geochemical and physical processes that produce metallic and non-metallic mineral deposits.

Three lecture periods weekly for one semester.

3 semester hours credit.

EARTH SCIENCE 466. Glacial Geology.*

A detailed study of the mechanics of glacial origin and movement, and the features produced by glacial erosion and deposition. Emphasis will be placed on the Pleistocene Epoch in North America.

Two lecture periods and one 2-hour laboratory period weekly.

3 semester hours credit.

EARTH SCIENCE 471. Earth Science Seminar.

An investigation of the historical development of the field and its subdivisions. Emphasis is placed on the development of an understanding and appreciation of the tools, techniques and methods used in research in the earth sciences. The preparation of a research paper on a problem selected from one of the subdivisions of the field is required.

Two lecture periods weekly for one and one-half semesters.

3 semester hours credit.

Associate Professor Macewicz

EARTH SCIENCE 474. Political Geography.

The study of the variation of politically organized areas and their relationship to each other.

Three lecture periods weekly for one semester.

3 semester hours credit.

Associate Professor Maier

EARTH SCIENCE 475. Paleontology.*

A survey of the fossil record including introduction to invertebrate and vertebrate paleontology and paleo-botany. Emphasis will be placed on the most important phyla.

Two lecture periods and one 2-hour laboratory period weekly for one semester.

3 semester hours credit.

EARTH SCIENCE 484. Geomorphology.

A study of the relationships between gradational and tectonic forces and the resulting surface configuration of the earth.

Three lecture periods weekly for one semester.

3 semester hours credit.

(Offered 1965-1966)

Assistant Professor Furlong

ECONOMICS

Daniel J. Noonan, Chairman of Department and
Associate Professor.

The Economics Department strives to advance the general education of the student in the area of economic understanding.

ECONOMICS 281. Economic Principles.

A consideration of the basic concepts, behavior, and institutions of a free enterprise economy.

Three periods weekly for one semester.

3 semester hours credit.

Associate Professor Noonan

ECONOMICS 282. Economic Problems.

An analysis of current domestic and international activities and problems in the economic sphere. Some examination of the different behavior of free and centralized economic systems.

Three periods weekly for one semester.

3 semester hours credit.

Associate Professor Noonan

ECONOMICS 400. Economic Principles and Problems.

A concentrated study of significant economic concepts, institutions, and problems of a free enterprise system.

Three periods weekly for one semester.

3 semester hours credit.

Associate Professor Noonan

EDUCATION

Stanley L. Clement, Chairman, Professor; Charles B. McMullen, Professor; Iva V. Lutz, Professor; V. James DiNardo, Professor; Ellen M. Shea, Professor; John J. Corkery, Associate Professor; Philip Dooley, Associate Professor; Elizabeth Hollis, Associate Professor; Evelyn R. Lindquist, Associate Professor; John F. MacDonnell, Associate Professor; Balfour S. Tyndall, Associate Professor; John Deasy, Assistant Professor; David Englund, Assistant Professor; Rita Nadal, Assistant Professor; Henry Fanning, Instructor; Roberta A. Hankamer, Instructor; Paul F. Kelley, Instructor; Mary L. Marks, Instructor.

EDUCATION A. College Orientation.

The purposes of this course are to help the student interpret his new environment; to aid him in making more efficient use of the tools and methods essential for study, and to encourage the development of a professional personality.

No credits are given for this course.

Associate Professor Mailloux
Miss Hankamer

EDUCATION 224. Child Growth and Development.

Through readings, discussions, observations, and visual aids, students acquire an understanding of the development of the pre-school and school-age child. Helpful to parents and teachers, present or potential, in guiding the physical, mental, social, and emotional relationships of boys and girls for better home, school and society adjustment.

Three periods weekly for one semester.

3 semester hours credit.

Professor Lutz

EDUCATION 226. Adolescent Psychology.

Through reading, discussion and many other experiences, students gain an understanding of the pre-adolescent and the adolescent. Physical, mental, moral, emotional, personality and social aspects are considered.

Three periods weekly for one semester.

3 semester hours credit.

Associate Professor Hollis

EDUCATION 250. Introduction to Elementary Education.

The purpose of this course is to provide a foundation for the professional education that will follow. The nature, development and organization of the elementary school will be stressed and a general framework established for planning instruction and classroom management at this level.

Three periods weekly for one semester.

Three semester hours credit.

Staff

EDUCATION 280. General Psychology.

An introductory course to acquaint the beginning student with the value of psychological knowledge in relation to vital problems of everyday living through a study of: (1) Psychology as Science; (2) The Background of Behavior; (3) Psychological Problems of Society; (4) Personality and Emotional Adjustment; and (5) The Management of Learning.

Three periods weekly for one semester.

3 semester hours credit.

Professor Lutz

Associate Professor Hollis

EDUCATION 300. Teaching of Reading in the Elementary School.

Through varied practical experiences a study is made of (1) Objectives of reading instruction; (2) Nature of the reading process; (3) Physical factors in reading; (4) Place of silent and oral reading; (5) Methods and materials in teaching basic skills with continuity while making provision for individual differences; (6) Reading in constant areas; and (7) Procedures for determining the instructional needs, evaluating the growth, and recording the progress of each pupil in the classroom.

Three periods weekly for one semester.

3 semester hours credit.

Assistant Professor Deasy

- EDUCATION 311. Teaching History in the Secondary School**
- EDUCATION 313. Teaching English in the Secondary School**
- EDUCATION 315. Teaching Earth Science in the Secondary School**
- EDUCATION 317. Teaching Physical Science in the Secondary School**
- EDUCATION 319. Teaching Biology in the Secondary School**
- EDUCATION 321. Teaching Mathematics in the Secondary School**
- EDUCATION 323. Teaching Language in the Secondary School**

The above courses are comparable in purpose and design differing as application is made to a particular subject field. The main emphasis will be on the establishing of objectives, the choosing of appropriate content, procedures, and materials to help in their achievement and the techniques of planning necessary to do this effectively. Other topics will include classroom organization and management, meeting of individual differences, evaluation and reporting of progress and recent developments in methodology and subject matter.

The courses will be taught by members of the department involved with the cooperation of the Education Department.

Three periods weekly for one semester.

3 semester hours credit.

EDUCATION 330. Music Materials and Methods in Elementary Education.

The aim of this course is to give knowledge and practice in the Music Education Program. The following topics are studied: principles and procedures, rhythmic activities, creative activities, music reading, and organization music in education.

Two periods weekly for one semester.

2 semester hours credit.

Assistant Professor Ferry

EDUCATION 337. Civic Education and Social Studies Methods.

The course is concerned with various methods of teaching the social studies, chiefly history, in the secondary schools. Particular emphasis will be given to aspects of education for citizenship, which will include the development of civic intelligence, civic responsibility, inter-group understanding, respect and good will. Field trips to nearby institutions and schools will be included.

Two periods weekly for one and one-half semester.

3 semester hours credit.

Associate Professor Foth

EDUCATION 339. Kindergarten and Primary Theory and Methods.

This course treats the philosophy, importance, and development of pre-school and primary education. Opportunity is given to study how children learn to live together and gain the experience which will lay the foundation for a feeling of adequacy in the new world of school. Curriculum, methods, materials and facilities are examined and evaluated.

Three periods weekly for one semester.

3 semester hours credit.

Miss Marks

EDUCATION 340. Language Arts Materials and Methods in Elementary Education.

Stress is on providing for child growth in oral and written communication through developing the skills of spelling, oral language, and written language. Topics covered are (1) Objectives of the program; (2) Knowledge and diagnosis of needs and instructional problems; (3) Provision for individual differences through the selection and effective use of varied general and specific techniques and materials; (4) Correlation of English with other subject areas; and (5) Using varied instruments for evaluating and measuring materials and results.

Three periods weekly for one semester.

3 semester hours credit.

Assistant Professor Nadal

EDUCATION 343. Principles of Secondary Education.

The secondary school in a democratic society is examined in terms of its objectives, structures and articulation with elementary and higher education. Its development is reviewed along with a comparison to secondary education in other countries. Emphasis is placed on the nature of the learning process, teaching methods, and instructional materials. Special attention is given to planning, discipline, evaluating pupil progress, classroom management, and the meeting of individual differences.

Three periods weekly for one semester.

3 semester hours credit.

Mr. Kelley

EDUCATION 350. Arithmetic Methods and Materials in Elementary Education.

Through this course students become acquainted with the purpose and content of the contemporary elementary school mathematics curriculum. Emphasis is placed on a study of a wide variety of effective teaching procedures and instructional materials designed to meet the varying abilities within the elementary school classroom.

Three periods weekly for one semester.

3 semester hours credit.

Associate Professor Lindquist

EDUCATION 371. Supervised Student Teaching in the Campus Schools.

The Campus Schools serve as laboratories in which students engage in the directed study of children, in teaching and learning situations as they are encountered in a modern school. As the study progresses, students participate increasingly in the activities of the school to the point at which they can undertake the duties of the room teacher. Included in this course are several hours of weekly conferences with the supervising teachers and weekly seminars with specialists in the field of art, music, speech and physical education.

One-half semester.

6 semester hours of credit.

Staff

EDUCATION 381. Philosophy.

This course is an introduction to the problems of philosophy and the opinions of philosophers including logic and language, truth and certitude, knowledge of the world outside us, methods of acquiring knowledge, mind, matter, nature, theodicy, ethics and aesthetics.

Three periods weekly for one semester.

3 semester hours credit.

Associate Professor Corkery

EDUCATION 423. Educational Measurement.

Included within the framework of this course is an examination of the development of the testing, measurement and evaluation movement. A review and evaluation of tests, and other evaluative methods needed for the measurement of mental maturity and educational growth in the student's field of specialization and a study of elementary statistical procedures necessary for their interpretation, complete the course offerings.

Three periods weekly for one semester.

3 semester hours credit.

Professor McMullen

Professor DiNardo

Associate Professor Dooley

EDUCATION 433. Introduction To Guidance.

A historical development of guidance, the need for guidance in the schools, the nature of guidance, and an overview of an adequate guidance service for a school system.

Two periods weekly for one and one-half semesters.

3 semester hours credit.

Associate Professor Dooley

EDUCATION 443. Secondary Curriculum.

The essential features of the curriculum of the modern secondary school are surveyed with major trends and problems in curriculum development and organization being identified and analyzed both in general and for the various subject matter fields. Special treatment is given to the role of the teacher in curriculum evaluation and revision, teacher-parent and school-community relations, pupil activities and guidance. The problems of the beginning teacher are discussed especially those involving relationships with professional colleagues.

Two periods weekly for one and one-half semesters.

3 semester hours credit.

Professor Clement

EDUCATION 451. Seminar in Secondary Education.

Student-instructor planning and class participation will feature a discussion of the current problems and issues in secondary education. Student teaching experiences will be shared and evaluated and actual school problems and case situations explored. Emphasis will be placed on the application of theory to the teaching situations encountered. Problems of the beginning teacher will receive special treatment.

Three periods weekly for one semester.

3 semester hours credit.

Professor Clement

EDUCATION 453. Seminar in Elementary Education.

The course provides a culmination of all professional experiences in preparation for teaching. Included are a review and evaluation of current elementary school practices, discussion of professional ethics and school law, professional growth opportunities, procedures for securing a teaching position, and responsibilities of the first teaching position.

Two periods weekly for one semester.

2 semester hours credit.

Staff

EDUCATION 460. Science Methods and Materials in Elementary Education.

This course will acquaint students with the goals of elementary science instruction and the methods of attaining these aims through such experiences as problem solving, experimenting, observing, participation in field trips, and other essential activities. An examination will be made of new elementary science programs, current elementary science textbooks, films, and scientific equipment.

Two periods weekly for one semester.

Two semester hours credit.

EDUCATION 461. History and Philosophy of Education.

Through readings, thought and discussion, students are expected to gain some acquaintance with the fundamentals of education theory in its historical development, its philosophical bases, its changing aspects and emphasis, and its present condition. The aims of education and the evaluation of educational practices are constantly kept in mind and are applied to the contemporary scene.

Three periods weekly for one and one-half semester.

4.5 semester hours credit.

Professor Shea

Assistant Professor Englund

EDUCATION 470. Social Studies Methods and Materials in Elementary Education.

Emphasis is placed on current trends in the social studies curriculum including the following topics (1) Objectives of social studies instruction; (2) Child growth and development characteristics and their implications in teaching; (3) Organization of the program; (4) Creative pupil-teacher planning; (5) Teaching techniques using varied instructional materials and procedures; and (6) Evaluating child growth, methods and materials, and the achievement of objectives.

Two periods weekly for one semester.

Two semester hours credit.

(to be announced)

EDUCATION 471. Supervised Teaching in the Public Schools.

This period provides opportunity in the public schools for continuous supervised experiences in all classroom activities under regular classroom conditions. Experience is gained in the study of individual differences, teaching techniques, and classroom management. Supervision is given by the classroom teacher and by members of the college faculty. Students are expected to carry a minimum responsible teaching load equal to 50% of the regular classroom teacher's assignment.

One-half semester.

6 semester hours credit.

Staff

ENGLISH

Samuel N. Sheinfeld, Chairman, Professor; George Green, Professor; Barbara A. Chellis, Associate Professor; M. Frances Guerin, Associate Professor; Joseph De Rocco, Assistant Professor; Vincent H. Gannon, Assistant Professor; Mary L. Jarvis, Assistant Professor; Virginia Joki, Assistant Professor; Katherine Lomax, Assistant Professor; Nettie Chipman, Instructor; Harold De Lisle, Instructor; Elizabeth Norton, Instructor; David Wagenknecht, Instructor; Emily V. Wolf, Instructor.

The program of study for English majors aims to give students an acquaintance with the history and background of English and American literature, an understanding of great literary works, and the ability to analyze, interpret, and appreciate what they read.

A minimum of 24 semester hours in English literature and composition (exclusive of general education requirements: English 101, 102 and English 211, 212) must be taken.

English majors are required to take the following courses: English 200; 221, 222; 331, 332; 341; and 397.

Courses open to all students who have passed the required English courses with a C grade are: English 221, 222; English 280; English 331, 332 (not available in 1964-65), English 341, 342; English 383; English 451, and English 453.

ENGLISH 101. Composition I.

The purpose of this course is to help students think clearly and express their thoughts effectively in both speech and writing. The emphasis will be on the study of language and the improvement of writing skills.

Three periods weekly for one semester.

3 semester hours credit.

Staff

ENGLISH 102. Composition II.

Students will read, discuss, and write about selections chosen both for their literary value and for their relevancy to fundamental human problems. A variety of literary types—the short story, poetry, drama, and the novel—will be represented.

English 101 is a prerequisite to this course.

Three periods weekly for one semester.

3 semester hours credit.

Staff

ENGLISH 180. Introduction to the Literature of Western Civilization.

A few of the classics selected from the literature upon which western civilization has largely been founded will be studied. The major works to be read in modern literary translations will be Literature from the Bible, the *Iliad*, Greek Drama, Dante's *Inferno*, and Goethe's *Faust*.

Three periods weekly for one semester.

3 semester hours credit.

Staff

ENGLISH 200. Advanced Composition.

In this course the emphasis will be placed on expository writing. Students will also have an opportunity to write short stories and verse.

A satisfactory grade, "C" or better, in English 101, 2 is a prerequisite for this course.

Three periods weekly for one semester.

3 semester hours credit.

Assistant Professor De Rocco

ENGLISH 211, 212. Literary Classics of Western Civilization.

This course will cover a fuller and more representative selection of literary classics than English 180. Among the additional authors are Plato, Cervantes, Chaucer, Shakespeare, Moliere, and a French or Russian novelist.

Three periods weekly for two semesters.

3 semester hours credit for each semester.

Staff

ENGLISH 221. English Literature from Beowulf to the 18th Century.

The students in this course will read selected works of English literature from Anglo-Saxon time to the 18th century; particular attention will be given to the most important writers. The works themselves will be read carefully. Lectures will cover biographical, social, and political background to help in understanding the various literary periods.

Three periods weekly for one semester.

3 semester hours credit.

Assistant Professor Gannon

ENGLISH 222. English Literature from the Romantic Period to the Present.

This course is a continuation of the survey of English Literature. The approach is similar, but adapted to the more modern material. In addition, several novels will be read.

Three periods weekly for one semester.

3 semester hours credit.

Professor Green

Assistant Professor De Rocco

ENGLISH 280. Journalism.

This course uses the workshop approach. Students will be helped to develop skill in proofreading and copy editing. Major emphasis will be placed on the writing of articles.

Two periods weekly for one semester.

2 semester hours credit.

Associate Professor Chellis

ENGLISH 331, 332. U. S. Literature through the 19th Century.

In this course the chief works of the major writers from the colonial period through the nineteenth century will be studied. The principal writings of Emerson, Thoreau, Hawthorne, Melville, Poe, Whitman, Twain, and James will be read.

Three periods weekly for two semesters.

3 semester hours credit for each semester.

Associate Professor Chellis

ENGLISH 341, 342. Shakespeare.

In this course selected plays and sonnets of Shakespeare will be studied. In each quarter three plays, generally two tragedies and one comedy, will be read with attention to both language and thought.

Three periods weekly for two semesters.

3 semester hours credit for each semester.

Professor Sheinfeld

ENGLISH 350. The Development of the Modern English Novel.

This course entails a survey of English fiction from 1900 to the school of the "Angry Young Men." Lectures will deal with some of the fictional types of this period, but major attention will be given to the study of individual texts.

Three periods weekly for one semester.

3 semester hours credit.

Professor Green

ENGLISH 383. Modern Irish Literature.

This course will include Irish writing from 1890 to the present, with special emphasis on the works of Yeats, Synge, O'Casey, Joyce, O'Connor, and O'Faolain.

Three periods weekly for one semester.

3 semester hours credit.

Assistant Professor Gannon

ENGLISH 385. English Romantic Poets.

In this course the chief works of Wordsworth, Coleridge, Byron, Shelley, and Keats will be studied. Emphasis will be placed on textual analysis, but consideration will be given to historical background and to developments in philosophy and esthetic theory which have a direct bearing on Romantic poetry.

Three periods weekly for one semester.

3 semester hours credit.

Assistant Professor De Rocco

ENGLISH 391. Creative Writing.

This course is intended for those juniors who have displayed special competence in prior English courses, and who are particularly interested in the short story. Occasional meetings will be devoted to critical study of the novella, but priority will be given to the shorter form.

Three periods weekly for one semester.

3 semester hours credit.

Professor Green

ENGLISH 393. Modern Poetry.

British and American poets of the twentieth century will be studied. Particular attention will be given Robinson, Frost, Yeats, MacLeish, Eliot, Auden, and Thomas.

Three periods weekly for one semester.

3 semester hours credit.

Assistant Professor Joki

ENGLISH 432. Modern American Literature.

This course is designed to acquaint the student with the major literary trends and in American writing in the 20th century. The works of American novelists, poets, and dramatists will be read and analyzed.

Three periods weekly for one semester.

3 semester hours credit.

Professor Green

ENGLISH 451. The Victorian Novel.

This course will concentrate on the major novelists of the 19th century: Dickens, Thackeray, Eliot, Meredith, and Hardy. Attention will be given to the biographical and historical background.

Three periods weekly for one semester.

3 semester hours credit.

Mrs. Wolf

ENGLISH 452. Victorian Prose and Poetry.

In this course the major emphasis will be upon Tennyson, Browning, and Arnold, but the work of other 19th century poets such as Hopkins and Hardy will also be read and discussed.

The essays of Carlyle, Arnold, Newman, Huxley, and others will be studied.

Three periods weekly for one and one-half semester.

4.5 semester hours credit.

Assistant Professor Gannon

ENGLISH 453. Modern Drama.

This course will consider the main forces in modern drama. Starting with Ibsen, students will read and discuss selected plays of leading dramatists of Europe and America.

Three periods weekly for one semester.

3 semester hours credit.

Associate Professor Guerin

ENGLISH 481. Milton and Other 17th Century Poets.

In this course the emphasis will be placed on the main poetical works of Milton: **Paradise Lost**, **Paradise Regained**, and **Samson Agonistes**.

In addition, other 17th century poets such as Donne, Herbert, and Herrick will be studied.

Three periods weekly for one semester.

3 semester hours credit.

Professor Sheinfeld

ENGLISH 495. Pope, Johnson and Swift.

This course is a seminar. In the first quarter Pope and other 18th century poets will be studied; in the second quarter attention will be focussed on Johnson and Swift.

(This course will be offered in the fall of 1965.)

Three periods weekly for one semester.

3 semester hours credit.

Associate Professor Chellis

ENGLISH 496. 18th Century Drama and Novel.

In this seminar the students will study the drama and novels of the 18th century.

(This course will be offered in the fall of 1966.)

Three periods weekly for one semester.

3 semester hours credit.

Associate Professor Chellis

ENGLISH 497. The History and Structure of the English Language.

The changes in the structure of the English language from Anglo-Saxon to modern English will be studied with attention to the pertinent historical background.

There will be an introductory study of structural linguistics.

Three periods weekly for one semester.

3 semester hours credit.

Professor Sheinfeld

HEALTH AND PHYSICAL EDUCATION FOR MEN

Harry A. Lehmann, Chairman, Associate Professor; Edward C. Swenson, Associate Professor; David P. Deep, Instructor.
Requirement for graduation for all men:

4 semesters of physical education activities.

2 semester hours of health education.

In addition, all men majoring in teacher education must fulfill the following requirements:

1 semester hour of standard first aid.

1.5 semester hours of school health administration.

HEALTH AND PHYSICAL EDUCATION M115.

Personal Health.

This course helps the student develop principles of good health based on scientific research. It provides for the study of health as it concerns the adult, common attitudes and practices, their importance in happy and effective living, significant diseases, and public health responsibilities.

One period weekly for two semesters.

2 semester hours credit.

Associate Professor Lehmann

HEALTH AND PHYSICAL EDUCATION M123.

Physical Education Activities (Freshmen)

This course is designed to further the development of physical fitness, fundamental skills, knowledge and appreciation of physical education activities. Individual and team activities are included in the course content.

Two periods weekly for one semester.

No credit.

Associate Professor Swenson

HEALTH AND PHYSICAL EDUCATION M124.

Physical Education Activities (Freshmen).

This course is a continuation of Health and Physical Education M123. Also included is work in aquatics. Students are classified and grouped according to their competence in swimming.

Two periods weekly for one semester.

No credit.

Associate Professor Lehmann

HEALTH AND PHYSICAL EDUCATION M223.

Physical Education Activities (Sophomore).

Continued emphasis is placed on physical fitness and development of fundamental skills. Aquatics and other activities of a recreational nature are stressed. The course content includes a unit designed to assist students to prepare for the selection and direction of physical education activities during their practice teaching assignments.

Two periods weekly for one semester.

No credit.

Associate Professor Lehmann

HEALTH AND PHYSICAL EDUCATION M226.

Physical Education Activities (Sophomore)

This course is a continuation of Health and Physical Education M223. A unit in combative activities is included in the course content.

Two periods weekly for one semester.

No credit.

Associate Professor Swenson

HEALTH AND PHYSICAL EDUCATION M231.

Standard First Aid.

Emphasis is placed on the prevention of accidents as well as on the immediate treatment of injuries and illnesses. Upon satisfactory completion of the course students will receive the American Red Cross Standard First Aid Certificate.

One period weekly for one semester.

1 semester hour credit.

Associate Professor Swenson

HEALTH AND PHYSICAL EDUCATION M301.

School Health Administration.

This course presents the major principles of school health services, health instruction, and healthful school living. Students are acquainted with health organization, administrative problems and the part played by the classroom teacher in the solution of school health problems.

One period weekly for one and one-half semesters.

1.5 semester hours credit.

Associate Professor Swenson

HEALTH AND PHYSICAL EDUCATION M390.

Methods and Techniques in Coaching Football.

Two periods weekly for one-half semester.

1 semester hour credit.

HEALTH AND PHYSICAL EDUCATION M391.

Methods and Techniques in Coaching Basketball.

Two periods weekly for one-half semester.

1 semester hour credit.

HEALTH AND PHYSICAL EDUCATION M392.

Methods and Techniques in Coaching Soccer and Track and Field.

Two periods weekly for one-half semester.

1 semester hour credit.

HEALTH AND PHYSICAL EDUCATION M393.

Methods and Techniques in Coaching Baseball.

Two periods weekly for one-half semester.

1 semester hour credit.

Three periods weekly for one semester.

3 semester hours credit.

HEALTH AND PHYSICAL EDUCATION DEPARTMENT FOR WOMEN

Mary J. Moriarty, Chairman, Professor; Mary I. Caldwell, Assistant Professor; Ann O. Coakley, Instructor; Phyllis J. Morris, Instructor; Patricia Phillips, Instructor; Mildred R. Wellman, Instructor; Shirley Krasinski, Instructor; Mary Lou Thornburg, Instructor; Karen Elmer, Special Instructor.

REQUIREMENTS FOR GRADUATION.

For women NOT majoring in Health and Physical Education.

Bachelor of Arts degree:

4 semesters of physical education activities.

2 semesters of health education.

Bachelor of Science degree:

6 semesters of physical education activities.

(Exception: Women majoring in secondary education are required to take 4 semesters of physical education activities.)

4 semester hours in health education.

2 semester hours in methods in physical education and first aid.

The Department of Health and Physical Education for Women offers instruction in recreational skills, physical conditioning, and health for all college women. Regular participation in activities is encouraged through required courses and extra-class activities in order that the student may develop interest and skills which she can enjoy in her leisure time.

HEALTH AND PHYSICAL EDUCATION 115, 116.

Personal Health.

This course helps the student develop principles of good adult health based on scientific research. It provides for study in the following areas: common attitudes and practices as they influence effective living, significant diseases, and public health responsibilities.

One period a week for two semesters.

2 semester hours credit. Assistant Professor Caldwell

HEALTH AND PHYSICAL EDUCATION 123.

Fundamentals of Movement.

The basic concepts of physical movement related to the needs of daily living, sports activities, and dance activities are developed.

Two periods weekly for one semester.

No credit.

Staff

HEALTH AND PHYSICAL EDUCATION 124.

Physical Education Activities.

This course includes team sports and swimming and provides healthful and vigorous activity for physical fitness.

Two periods weekly for one semester.

No credit.

Staff

HEALTH AND PHYSICAL EDUCATION 220.

Methods and Materials and First Aid.

The American Red Cross Standard First Aid course is given and emphasis is placed upon the responsibility of the public school teacher and leader of physical activities.

Analysis is made of the fundamental principles of effective leadership in various activities suitable for children at different grade levels, in their physical education program. Experience and guidance are provided for future classroom teachers, in relation to teaching and directing physical education activities. There are also opportunities to observe and work with groups of children from the College Laboratory School.

Two periods weekly for one semester.

2 semester hours credit.

Miss Krasinski

HEALTH AND PHYSICAL EDUCATION 223, 226.

Physical Education Activities.

Continued emphasis is placed on physical fitness and on the application of fundamental movement concepts through participation in team sports, dance activities, and swimming.

Two periods weekly for two semesters.

No credit.

HEALTH AND PHYSICAL EDUCATION 323, 324.

Physical Education Activities.

Team sports, individual and dual sports, swimming, and dance activities are included.

Two periods weekly for two semesters.

No credit.

HEALTH AND PHYSICAL EDUCATION 410.

School Health and Safety Education.

A brief study is made of human growth and development with special reference to the needs of the child in relation to his health and physical activity. The responsibility of the school in meeting these needs is analyzed and the total program in health and safety is studied with emphasis on the part played by the classroom teacher. Methods and materials for teaching at various grade levels are studied in light of educational philosophy principles, and objectives.

Two periods weekly for one semester.

2 semester hours credit.

Major Curriculum in Health and Physical Education for Women

The Department of Health and Physical Education offers a professional curriculum in Health and Physical Education for women. The student completing this course receives a Bachelor of Science in Education degree, with a major in Health and Physical Education. The basic program is planned to satisfy the needs of the student who will teach in the public schools; it includes sufficient work in health education to enable her to qualify for positions which require the teaching of both physical education and health education. Through varied activities in the classrooms, the gymnasias, and on the playing fields, the students are given the opportunity to acquire scientific knowledge, specialized skills, and physical fitness; and to attain essential philosophies, techniques, principles, and evaluative procedures.

HEALTH AND PHYSICAL EDUCATION 171, 172.

Anatomy.

This course includes a fundamental study of the human body and its parts; with special emphasis on bones, muscles and tissues.

Two periods weekly for two semesters.

4 semester hours credit.

Professor Moriarty

HEALTH AND PHYSICAL EDUCATION 151.

Personal and Community Health.

This course helps the student develop principles of good adult health based on scientific research. It provides for study in the following areas: attitudes and practices as they influence effective living, significant diseases, community health standards, and special problems of concern to a democratic society.

Three periods weekly for one semester.

3 semester hours credit.

Assistant Professor Caldwell

HEALTH AND PHYSICAL EDUCATION 161.

Introduction to Physical Education.

This is a comprehensive freshman course providing basic information concerning the scope and significance of physical education as a profession.

Two periods weekly for one semester.

2 semester hours credit.

Miss Coakley

HEALTH AND PHYSICAL EDUCATION 250.

First Aid.

The Standard First Aid course of the American Red Cross is given. Satisfactory completion of this course entitles the student to a Standard First Aid Certificate.

One period weekly for one semester.

1 semester hour credit.

Miss Thornburg

HEALTH AND PHYSICAL EDUCATION 252.

Methods in Health Education.

A study is made of the responsibility of the school for the health education of the growing child with emphasis upon the role of the teacher. Basic emphases throughout the course are (1) consideration of the child's needs for health learnings as determined by such factors as heredity; growth and developmental patterns; and home, school and community influences; (2) the selection of health content to meet these needs; (3) the analysis of the learning and teaching processes as applied to health in the light of modern educational philosophy.

Two periods weekly for one semester.

2 semester hours credit.

Miss Phillips

HEALTH AND PHYSICAL EDUCATION 261, 262.

Officiating.

Specific training for officiating in major sports is given. Actual practice in refereeing and umpiring is required as a part of the course. Opportunities are provided to attend clinics and to take examinations for local and national ratings in field hockey and basketball.

Two periods weekly for two semesters.

4 semester hours credit.

Miss Coakley

Miss Morris

Miss Thornburg

HEALTH AND PHYSICAL EDUCATION 263.

Methods in Physical Education.

This course suggests techniques and methods for teaching appropriate activities at the different grade levels. Practical application of teaching principles is carried on, using elementary grade classes from the College Laboratory School.

Two periods weekly for one semester.

2 semester hours credit.

Professor Moriarty

HEALTH AND PHYSICAL EDUCATION 351.

Fundamentals of Body Mechanics.

This course helps the student to develop sound principles of good body mechanics based on fundamental sciences. It provides for study in the following areas: desirable posture patterns and their common variations, relaxation techniques as related to good posture and physical fitness, procedures for implementing good body mechanics in the school program.

Two periods weekly for one semester.

2 semester hours credit.

Assistant Professor Caldwell

HEALTH AND PHYSICAL EDUCATION 361, 362.

Coaching.

This course includes a comprehensive analysis of the basic methods and techniques of teaching team sports as well as an opportunity to present them in practice teaching situations.

Two periods weekly for one and one-half semesters.

3 semester hours credit.

Miss Coakley
Miss Thornburg

HEALTH AND PHYSICAL EDUCATION 372.

Applied Anatomy and Kinesiology.

This course includes detailed analyses and the application of anatomical knowledge and mechanical principles to fundamental muscular movements in athletic and rhythmic activities.

Three periods weekly for one semester.

3 semester hours credit.

Professor Moriarty

HEALTH AND PHYSICAL EDUCATION 451.

School Health Administration and Safety.

Emphasis is placed on the school personnel's responsibility for providing a healthful environment, good health services, and adequate instruction in health education. The organization and content of the program in health are studied and discussed. The need for health guidance to meet the needs of all children, including exceptional children, is stressed.

Three periods weekly for one semester.

2 semester hours credit.

Professor Moriarty

HEALTH AND PHYSICAL EDUCATION 460.

Organization and Administration of Physical Education.

This course explains the policies, procedures, and standards of the various divisions of physical education, showing the relationships which exist. Special attention is given to pertinent problems which face the modern educator.

Two periods weekly for one semester.

2 semester hours credit.

Miss Coakley

HEALTH AND PHYSICAL EDUCATION 462.

Evaluation in Physical Education.

In this course the student learns to apply the fundamental principles of evaluation and measurement in physical education. Various tests and testing programs are studied and evaluated. Experience in administering and scoring certain tests is provided, and a study is made of the interpretation and use of the results obtained.

Two periods weekly for one semester.

2 semester hours credit.

Professor Moriarty

HEALTH AND PHYSICAL EDUCATION 463.

Seminar in Physical Education.

This course is designed to encourage the student in the use of research methods through the preparation, presentation, and discussion of written and oral projects related to current trends in the fields of Health, Physical Education, and Recreation.

Two hours weekly for one semester.

2 semester hours credit.

Professor Moriarty and Staff

HEALTH AND PHYSICAL EDUCATION 464.

Supervision in Physical Education.

This course attempts to meet the urgent needs for more adequate training of future Directors of Physical Education, in order that there may be better supervision of physical education programs in the elementary and secondary schools. Classes study organization and planning; procedures for visitation and conferences; and the various functions of the supervisor at the different grade levels. Supervision in health education, safety education, and extra-class programs is also included.

Three periods weekly for one semester.

3 semester hours credit.

Associate Professor Lehmann

HEALTH AND PHYSICAL EDUCATION 471.

Physiology of Exercise.

This course includes a study of the adjustive capacity of the body to exercise. Current research and physiological findings related to training, competition, and recreational sports is included.

Two periods weekly for one semester.

2 semester hours credit.

Miss Thornburg

Major Curriculum

Health and Physical Education for Women

Activity Courses

Forty-two semester hours of activities, with a value of one-third of a semester credit each, equals a total of fourteen semester hours credit.

HEALTH AND PHYSICAL EDUCATION 105, 202, 405.

Apparatus.

This course includes work suitable for teaching in the public schools. A variety of activities, stressing progression, are offered on various pieces of apparatus such as the buck, box, horse, parallel bars, flying rings, traveling rings, stall bars, balance beam, etc.

Miss Elmer

HEALTH AND PHYSICAL EDUCATION 326, 426.

Archery.

Archery is taught in two units. Beginning archery includes the care and use of equipment and the fundamental skills of target shooting. The more advanced unit provides the opportunity for students to acquire greater skill in shooting, as well as to organize and participate in standard tournaments.

Assistant Professor Caldwell
Miss Krasinski

HEALTH AND PHYSICAL EDUCATION 224, 423.

Badminton.

These courses include basic skills, rules, scoring, strategy of the game and the playing of tournaments.

Miss Coakley

HEALTH AND PHYSICAL EDUCATION 131, 232.

Basketball.

The students are given an opportunity to learn and develop the basic skills related to basketball, strategy and team play. A knowledge of the rules, coaching, teaching methods, and officiating techniques is emphasized.

Miss Morris

HEALTH AND PHYSICAL EDUCATION 414.

Community Recreation.

Leadership and participation in various types of social games are offered in this course. The student is presented with materials and sources of activities needed for social play in parties for the home, in clubs, at picnics, and on the playground.

Miss Coakley

HEALTH AND PHYSICAL EDUCATION 142, 241.

Folk Dance.

This course covers folk dances, singing games, nursery rhymes, and dramatic rhythms for use in the elementary grades. Demonstration lessons and an opportunity for teaching small groups of elementary school children are provided at the College Laboratory School. Attention is also given to dances which can be used on the secondary school level. Visits to adult folk dance groups are arranged.

Miss Phillips

HEALTH AND PHYSICAL EDUCATION 133, 233.

Field Hockey.

These courses are designed to provide an opportunity for the students to develop a proficiency in the basic skills of field hockey. The rules, the strategy of team play, the techniques of officiating, and the methods and materials for teaching and coaching are also included.

Miss Morris

HEALTH AND PHYSICAL EDUCATION 211, 311.

Games.

These courses include the learning and teaching of games of low organization for the elementary grades; games which are suitable for the playground, the gymnasium, the playroom, or for use in the classroom; and for the learning and teaching of modified team and lead-up games, suitable for both large and small groups at the secondary level.

Miss Krasinski

HEALTH AND PHYSICAL EDUCATION 420, 421.

Golf.

The students are taught the basic golf swing, the use of the various clubs, the rules of the game, course play and etiquette. They are given an opportunity to put their knowledge and skills into practice by actual play at a golf course.

Miss Morris

HEALTH AND PHYSICAL EDUCATION 307.

Gymnastics.

This course provides an opportunity to learn and teach fundamental gymnastics, exercises, and marching. The advantages and disadvantages of the Swedish, Danish, and German systems, as well as the modern theories in regard to conditioning drills, are discussed.

Miss Elmer

HEALTH AND PHYSICAL EDUCATION 334, 434.

LaCrosse.

Emphasis is placed on the learning of fundamental skills, rules, and team strategy in these courses. Sports Days with other colleges are encouraged.

Miss Coakley

HEALTH AND PHYSICAL EDUCATION 216.

Methods Laboratory.

This course relates to the theory course, Methods in Physical Education. Opportunities are provided twice a week for one semester, for students to apply teaching principles and techniques to children at the elementary level, from the College Laboratory School.

Professor Moriarty

HEALTH AND PHYSICAL EDUCATION 144, 244, 344.

Modern Dance.

The first course includes the study and the use of rhythmic movement as a medium of expression and communication. The emphasis of the second course is placed on methods of directing and developing the creative rhythmic movement of the child. The third course includes the production and the evaluation of simple dances and the use of various forms of accompaniment.

Miss Coakley

Assistant Professor Caldwell

HEALTH AND PHYSICAL EDUCATION 101.

Body Mechanics.

The basic concepts of physical movement related to the needs of daily living, of sports activities, and of dance activities are developed.

Mrs. Wellman

HEALTH AND PHYSICAL EDUCATION 137.

Soccer.

Soccer is taught with emphasis on fundamental skills, team strategy, rules, coaching, officiating, and techniques of teaching which are specifically related to this sport.

Miss Phillips

HEALTH AND PHYSICAL EDUCATION 145.

Social Dance.

The basic steps of social dance and the variations of these steps are taught. Emphasis is placed on both the leading and following positions in preparation for teaching social dance.

Miss Coakley

HEALTH AND PHYSICAL EDUCATION 238, 338.

Softball.

These courses emphasize the learning of all fundamental skills, team strategy, rules and the responsibilities of each position.

Miss Coakley

HEALTH AND PHYSICAL EDUCATION 147, 347.

Square Dance.

The student is introduced to the traditional and western dance. All the latest basics are incorporated into the first course with special emphasis given to timing and styling. The second course presents opportunities for the students to learn to call individual basics with stress given to voice, styling and timing. Analysis of figure composition is emphasized and students compose their own dances to the latest square dance records released. Students are also given the opportunity to call dances in various communities.

Miss Phillips

HEALTH AND PHYSICAL EDUCATION 122, 221, 422.

Swimming.

Instruction in swimming is given in accordance with the American Red Cross requirements. All students are required to pass a standard swimming test. Students who are unable to swim must continue to take swimming until the test requirements are fulfilled. Qualified students may elect Water Safety Life Savers and Instructors courses.

Mrs. Wellman

HEALTH AND PHYSICAL EDUCATION 146.

Tap Dance.

Fundamental steps are taught and combined into simple routines which may be used in public schools.

Professor Moriarty

HEALTH AND PHYSICAL EDUCATION 328.

Track and Field.

The students are given an opportunity to learn the basic skills of track and field, and to participate in track and field competition.

Mrs. Wellman

HEALTH AND PHYSICAL EDUCATION 104.

Tumbling.

A variety of individual, couple and group stunts are taught in this course. Effective organization for small and large groups is stressed with special emphasis on safety factors.

Miss Elmer

HEALTH AND PHYSICAL EDUCATION 225, 425.

Tennis.

The fundamental strokes, rules of the game, singles and doubles strategy, and methods and materials for the teaching of tennis are included in this course.

Miss Coakley
Mrs. Wellman

HEALTH AND PHYSICAL EDUCATION 339.

Volleyball.

Fundamental Skills, rules of the game, and team strategy are covered in this course.

Miss Morris

HISTORY AND POLITICAL SCIENCE

Jordan D. Fiore, Chairman, Professor; Ralph S. Bates, Professor; Jane Herrick, Professor; Stephanie O. Husek, Professor; Annabelle M. Melville, Professor; Charles E. Foth, Associate Professor; William R. Cole, Jr., Assistant Professor; Mary Noel, Assistant Professor; Maurice Rotstein, Assistant Professor; Gerald J. Doiron, Instructor; Donald L. Keay, Instructor; Arthur C. Oien, Instructor; Benjamin A. Spence, Instructor.

The Department of History and Political Science has four objectives: (1) to make an effective contribution to the general education program by offering history courses to all students in the first two years; (2) to give adequate preparation for students planning to teach history on the secondary level; (3) to provide a breadth in history which will enable students to do graduate work in the field of history; and (4) to offer enough advanced courses in history to students who are majoring in the elementary curriculum to enable them to enrich the program of teaching history at that level.

HISTORY 111. Western Civilization to 1660.

This course surveys Western civilization from ancient times to 1660. Ancient peoples are considered in the light of their contributions to civilization. From the fall of Rome to the middle of the seventeenth century emphasis is placed upon the following subjects: the rise of the Christian church; the Middle Ages, Christian and Feudal; the Byzantine World; the Moslem World; the Holy Roman Empire; the development of state systems and the struggles for power; the Renaissance; the Protestant and Catholic Reformations.

Three hours weekly for one semester.

3 semester hours credit.

Staff

HISTORY 112. Western Civilization.

Beginning with the Peace of Westphalia this course is concerned with the rise of parliamentary control in England and the ancient regime in France; the rise of Prussia; the Westernization of Russia; the growth of science and the spread of industrialism; eighteenth and nineteenth century thought; the enlightenment; the age of revolutions; the new nationalism and imperialism of the nineteenth century; the two World Wars; internationalism and world organizations. Prerequisite: a passing grade in History 111 or its equivalent.

Three hours weekly for one semester.

3 semester hours credit.

Staff

HISTORY 221. United States History and Constitutions to 1865.

The growth of the United States is examined from the discovery of America to the end of the Civil War. The following topics are studied: the age of exploration and discovery; the English colonial and provincial periods; the age of the American Revolution; the Constitutions of the United States and of the Commonwealth of Massachusetts; the early national period; Jeffersonian democracy; the age of Andrew Jackson; westward expansion, sectionalism, and slavery; the causes of and the course of the Civil War.

Three hours weekly for one semester.

3 semester hours credit.

Staff

HISTORY 222. United States History since 1865.

This course continues the study begun in History 221. The following topics are studied: Reconstruction; problems of economic expansion from 1865 to 1900; financial and monetary problems; the United States as a world power; the Progressive era; and political, military, and economic history of the twentieth century.

Three hours weekly for one semester.

3 semester hours credit.

Staff

HISTORY 271. Introduction to Political Science.

A consideration of the definitions, theoretical foundations, and historical evolution of the principles of politics. The fundamental concepts in political science are examined; state, government, politics, law and a general analysis of the place of government in modern society.

Three hours weekly for one semester.

3 semester hours credit.

Mr. Keay

HISTORY 272. American Government—The Federal System.

The Constitution of the United States is studied in detail as the basis of the Federal System. Topics of study include the development of the democratic process in America, the organization, power, procedures, function, services, and finances of the United States government.

Three hours weekly for one semester.

3 semester hours credit.

Professor Melville

HISTORY 331. Europe since 1870.

This course concerns itself with a study of the background and consequences of two world wars. Special attention is given to those factors significant in shaping the contemporary European scene.

Three hours weekly for one and one-half semesters.

4.5 semester hours credit.

Assistant Professor Rotstein

HISTORY 315. Nineteenth Century Europe.

This course is primarily concerned with the political, social, and intellectual development in the principal countries of Europe from the rise of Napoleon to the end of the century.

Three hours weekly for one semester.

3 semester hours credit.

Professor Husek

HISTORY 316. Twentieth Century Europe.

This course is concerned with the causes of World War I, the course of the war and its aftermath. Political and social development and economic and ideological trends between the wars will be studied. World War II and post-war international relations will be covered.

Three hours weekly for one semester.

3 semester hours credit.

Professor Husek

HISTORY 317. British Political History since 1603.

This course concerns itself with the political development of England and the British empire from the accession of the Stuarts to the present day. Chronologically parallel to the survey of American history, the course stresses those factors which show the relationship of American-British development in modern times. Although primarily concerned with political factors, this survey does not exclude economic and social factors, particularly when the history of ideas is at issue.

Three hours weekly for one semester.

3 semester hours credit.

Professor Melville

HISTORY 318. British Empire and Commonwealth.

The development of British imperial policy and colonial problems from the eighteenth century to the present will be covered. Emphasis will be placed upon British-Indian relations, British imperialism in Africa and the development and aims of the Commonwealth as an institution.

Three hours weekly for one semester.

3 semester hours credit.

Professor Melville

HISTORY 331. Latin American History.

The early history of the American areas originally brought into the orbit of western civilization by the Spanish and Portuguese will be studied with particular emphasis on the culture and ideology and on comparison with the English and French areas of colonization. In the study of nationalism in Latin America, particular attention will be paid to the struggle of the modern Latin-American republics to attain political stability, economic strength, and cultural progress.

Three hours weekly for one and one-half semesters.

4.5 semester hours credit.

Professor Herrick

HISTORY 333. Latin America—The Colonial Period.

This course is concerned with the development of Spanish and Portuguese civilization in Latin America in the period between the discovery of America and the successful revolts against Spain early in the nineteenth century. (Will not be offered in 1964-5)

Three hours weekly for one semester.

3 semester hours credit.

Professor Herrick

HISTORY 334. Latin America—The National Period.

This course studies the Latin American countries from the time that they achieved independence to the present. (Will not be offered in 1964-5)

Three hours weekly for one semester.

3 semester hours credit.

Professor Herrick

HISTORY 341. Ancient History.

This course is concerned with the prehistoric ages, the early civilizations, and the rise of Greece and Rome to the end of the fifth century. Some attention will be paid to the cultures, the economic, political and social institutions which were developed and the significant contributions of these civilizations to world history.

Three periods weekly for one and one-half semesters.

4.5 semester hours credit.

Associate Professor Foth

HISTORY 343. Ancient World to 336 B. C.

A study of prehistoric times, the early civilizations and Greece from the Bronze Age to the death of Alexander the Great.

Three hours weekly for one semester.

3 semester hours credit.

Associate Professor Foth

HISTORY 344. Roman History.

This course covers the history of Rome from ancient times to the reign of Justinian. Emphasis will be placed on the expansion of Rome from city to empire; the Hellenistic East; imperial administration and law; the origin and spread of Christianity; the decline of the Empire and the raids of the Barbarians.

Three hours weekly for one semester.

3 semester hours credit.

Associate Professor Foth

HISTORY 353. Historiography.

This course is concerned with the development of historical writing; the interpretation of history, as illustrated by major historians; the evaluation of historical writings through professional journals and the method of the book review. Membership in the course is limited to fifteen. Students are admitted with the consent of the Department Chairman and the instructor. Students who complete this course are expected to elect History 354.

Three hours weekly for one semester.

3 semester hours credit.

Professor Melville

HISTORY 354. Study and Writing of History.

This course is concerned with the development of the techniques of historical research and the preparation of papers which require these techniques. Varieties, analysis and evaluation of source material will be stressed. Prerequisite: Successful completion of History 353 or its equivalent. Students are admitted with the consent of the Department Chairman and the instructor.

Three hours weekly for one semester.

3 semester hours credit.

Professor Melville

HISTORY 411. History of Russia.

A survey of the early period as background for the emergence of modern Russia. Emphasis is placed on the political, economic, social and intellectual developments which resulted in the establishment of the Soviet state. An analysis of available evidence for a better understanding of the political structure and the domestic and foreign policies of the present regime.

Three hours weekly for one and one-half semesters.

4.5 semester hours credit.

Professor Husek

HISTORY 413. Contemporary Affairs.

Current sociological, economic, political, military and scientific events are studied in publications and by means of television and radio broadcasts. The course attempts also an evaluation of the impact of science on contemporary society.

Three hours weekly for one and one-half semesters.

4.5 semester hours credit.

Professor Bates

HISTORY 421. History of Massachusetts.

The English background of the Pilgrims and Puritans; the Plymouth Colony and Massachusetts Bay settlements, Puritanism and the Massachusetts theocracy, Massachusetts in the Provincial Period and the American Revolution. In addition to a consideration of political history, Massachusetts is studied in the national period in terms of constitutional development, population shifts, industrial growth, the effects of immigration, and the economic changes of the twentieth century. The organization of the state government and the constitution are also studied. Much use will be made of primary source materials in developing the course.

Three hours weekly for one and one-half semesters.

4.5 semester hours credit.

Professor Fiore

HISTORY 451. Seminar in American History and Historiography.

This course is designed primarily for senior history majors who contemplate doing graduate work in the field. The student will be introduced to the standard source materials for each major period in United States history, will be introduced to the various interpretations or approaches to historical problems and will be encouraged to do some independent research in assigned areas. Admission is with the consent of the Department Chairman.

Three hours weekly for one and one-half semesters.

4.5 semester hours credit.

Professor Fiore and Staff

HISTORY 461. Far Eastern History.

This course deals primarily with the history of China and Japan during the last century. Some consideration is also given to the problems of the Philippines, Indonesia, Southeast Asia, India, and Australia.

Three hours weekly for one and one-half semesters.

4.5 semester hours credit.

Professor Bates

HISTORY 471. International Relations.

Following a consideration of the basic factors in international relations, the development of the western state system, and the principles of balance of power, nationalism and imperialism, the course covers the establishment of international organizations in modern times and the post-war regional organizations. Each student makes a study of the contemporary international problems of a country or region.

Three hours weekly for one and one-half semesters.

4.5 semester hours credit.

Professor Fiore

LIBRARY SCIENCE DEPARTMENT

Beatrice Bouchard, Chairman, Associate Professor; Cora Vining, Assistant Professor; Mary Gloster, Instructor; Olive Lee, Instructor.

LIBRARY 210. Children's Literature.

This course covers the reading interests of children from pre-school years through the elementary grades with emphasis on the contribution that reading can make toward the process of growing up; criteria for evaluation and analysis of children's books; types of books available today, considered in terms of the needs, interests, and abilities of children. Topics covered are history of literature for children; illustrators; folk-tales; myths; modern fanciful tales; fiction; poetry; books in special fields such as history, science, travel.

Two periods weekly for one semester.

2 semester hours credit.

Associate Professor Bouchard
Miss Gloster

LIBRARY 220. Literature for Young Adults.

A survey of literature for the adolescent designed for junior and senior high school teachers and librarians; a brief history of the development of this literature, evaluation of publishers, and psychology of the adolescent reader.

Three periods weekly for one semester.

3 semester hours credit.

Miss Gloster

LIBRARY 281. Applied Library Science for Non-Librarians.

This course is offered to students, in either the Liberal Arts or the Teacher Training Program, who wish to further their understanding of the library and acquire library skills that will permit them to perform more proficiently in pursuit of their specialized field/respective field. Topics covered are the organization of the various areas of knowledge; materials available in these areas, and techniques in using the variety of materials.

Three periods weekly for one semester.

3 semester hours credit.

Miss Gloster
Miss Lee

LIBRARY 321. Use of Library in the Elementary School.

This course is an introduction to the general reference literature, including basic reference procedures in meeting reference problems; to the principles and practices of book selection; and gives a knowledge of sources that meet the reading interests and supplement the areas of study included in the elementary school curriculum.

Three periods weekly for one and one-half semesters.

4.5 semester hours credit.

Miss Lee

LIBRARY 325. Use of the Library in the Secondary School.

This course aims (1) to give a knowledge of reference books, trade books, periodicals, bibliographies, and other aids to effective teaching and library work; (2) to make known the sources available for the complete preparation of the teaching units of the junior and senior high school curriculum; (3) to give a knowledge of sources that meet the reading interests and supplement the areas of study of the various age groups.

Three periods weekly for one and one-half semesters.

4.5 semester hours credit.

Miss Lee

LIBRARY 431. The Elementary School Library.

This course covers techniques and practices in simplified cataloguing and classification and principles of management as applied to the organization, the equipment, and the administration of an elementary school library.

Two lecture periods and one 2-hour laboratory period weekly for one and one-half semester.

4.5 semester hours credit.

Assistant Professor Vining

Associate Professor Bouchard

LIBRARY 435. School Library Techniques in Secondary School.

This course deals with organization, equipment, and administration of the secondary school library. Topics covered are cataloguing, classification, and principles of administration as applied to the Secondary School Library.

Two lecture periods and one 2-hour laboratory period weekly for one and one-half semester.

4.5 semester hours credit.

Assistant Professor Vining

LIBRARY 381. Seminar on THE BOOK.

This course is open to Juniors and Seniors and should prove valuable to a student who wishes to acquire a greater appreciation of the book and to broaden his knowledge of the science of book composition. While this course includes the library-science minded student, it does not exclude other students. Topics covered are means of recording information; the evolution of the book; book composition, publishing, and economics.

Two periods weekly for one semester.

2 semester hours credit.

Assistant Professor Vining

Guest Lecturers

MODERN LANGUAGES

Robert C. Arruda, Chairman, Assistant Professor; Robert A. Briggs, Instructor; Barbara George, Instructor; Joseph Giannini, Instructor; Leonore M. Padula, Instructor.

French Course Descriptions

FRENCH 101-102. Elementary French.

This course is an aural-oral approach to the grammar of the French language. Emphasis will be on the mastery of correct pronunciation and of essential grammatical points to ensure a basic oral and reading command of the language.

6 semester hours credit.

Staff

FRENCH 151-152. Intermediate French.

This course includes a systematic review of basic French grammar and pronunciation. Graded reading selections will accompany the review to develop and improve the students' reading knowledge of the language. An introduction to some aspects of French culture will also be included.

6 semester hours credit.

Mr. Giannini

FRENCH 181-182. An Introduction to the Advanced Study of French.

A rapid review of the salient points of French grammar will precede a presentation of the more advanced and detailed grammatical construction. Advanced reading selections will also be included to maintain and improve the students' reading knowledge of French. Aspects of French culture will continue to be introduced where pertinent.

6 semester hours credit.

Staff

FRENCH 201-202. Survey of French Literature.

A study of the beginnings of the French language, the important literary movements and their representative works, and the outstanding authors in France from the Middle Ages to the present day.

6 semester hours credit.

Mr. Giannini

FRENCH 281. Advanced Conversation.

A series of fixed situations and discussion topics will be assigned to be discussed in French in the classroom. The course intends to accustom the student to thinking and expressing himself in the French language. Topics will be modified to meet the level of oral proficiency of the group.

Assistant Professor Arruda

FRENCH 301-302. The Classical Period in French Literature.

The principal historical events and representative writers in France in the Seventeenth Century will be studied with the object of understanding Classicism as a literary movement. The course will deal with the ideas and works of this period from Malherbe through Madame de Maintenon.

6 semester hours credit.

Assistant Professor Arruda

FRENCH 381. Phonetics and Oral French.

A scientific approach to the pronunciation of the language through application of the symbols of the International Phonetic Alphabet. Emphasis will be on the mastery of correct standard pronunciation.

Assistant Professor Arruda

FRENCH 382. Advanced Composition and Grammar.

A continuation of French 181-182, with an introduction to stylistics dealing with preferred forms of written expression in French.

3 semester hours credit.

Assistant Professor Arruda

FRENCH 383-384. Nineteenth Century French Literature.

The course will cover readings of representative literary movements of the 19th Century in French, such as: Romanticism, Realism, Naturalism, Neo-Classicism, Neo-Romanticism and Symbolism. Outstanding authors and their pertinent works will be fully discussed.

6 semester hours credit.

Mr. Giannini

FRENCH 401-402. Modern French Literature.

A study of contemporary French literature beginning with the authors of "national energy" at the turn of the century, to the present day. Important literary movements will be discussed and typical works of well-known authors will be read for class work and for individual reports. Some of the authors to be discussed are Bourget, Gide, Apollinaire, Peguy, Claudel, Romain, Sartre, and Camus.

4.5 semester hours credit.

Mr. Giannini

Bases for Selection of Students for Introductory French Courses

101-102 LANGUAGE COURSES.

Intended for those students who have never studied the language, have done poorly on language aptitude exams, or have a poor secondary school record in the language.

151-152 LANGUAGE COURSES.

Intended for those students who have previously studied the language on either the secondary or college level, have done reasonably well on language aptitude exams, or have a good secondary or college record in the language.

181-182 LANGUAGE COURSES.

Intended for those students whose previous work in the elementary and intermediate levels of the language have shown some promise, have done exceptionally well on language aptitude exams, or have outstanding secondary or college record in the study of the language.

GERMAN 101-102. Elementary German.

An introductory course designed to provide the student with essentials of German grammar and basic German vocabulary. The course includes oral practice and the reading of graded texts.

Three hours weekly each semester.

3 semester hours credit each semester.

Mrs. George

GERMAN 181-182. Introduction to the Advanced Study of German.

The course includes a review of German grammar and systematic vocabulary building through reading and discussion of more advanced forms of German literature. The discussions will be conducted mostly in German.

Prerequisites: German 101-102 or two years of secondary school German.

Three hours weekly each semester.

3 semester hours credit each semester.

Mrs. George

SPANISH 101-102. Elementary Spanish.

An audio-oral approach to the essentials of Spanish pronunciation, grammar and reading proficiency will constitute the material covered in this course.

Three hours weekly each semester.

3 semester hours credit each semester.

Miss Padula

SPANISH 151-152. Intermediate Spanish.

A review of the important aspects of correct Spanish pronunciation and reading will accompany the development of an oral and aural command of the language in this course. Emphasis will be on the development of vocabulary and reading. Aspects of Hispanic culture will be introduced.

Three hours weekly each semester.

3 semester hours credit each semester.

Miss Padula

MATHEMATICS

Joseph Chicarelli, Chairman, Associate Professor; Robert Bent, Assistant Professor; Robert Lemos, Assistant Professor; John Swardstrom, Assistant Professor; Joseph Russell, Jr., Instructor.

MATHEMATICS 101. Mathematical Analysis.

(First semester freshman-math and chemical physics majors)
Sets; propositions and truth tables; relations and functions; inequalities; the real number system; polynomials; algebraic, exponential, logarithmic and trigonometric functions.

4 semester hours credit.

Staff

MATHEMATICS 103-104. Mathematical Analysis.

(Two semester freshman course for non-math majors)
Sets; propositions and truth tables; the real number system; relations and functions; inequalities; polynomials; algebraic, exponential, logarithmic and trigonometric functions; analytic geometry; introduction to calculus.

6 semester hours credit.

Assistant Professor Swardstrom

Calculus Sequence

MATHEMATICS 102. Calculus I.

(Second semester-freshman)

Coordinate systems; properties of the straight line and conic sections; the theory of limits of a function of one variable; differentiation of algebraic functions; applications to slopes of curves; maxima and minima; velocity and acceleration; curve tracing.

4 semester hours credit.

Assistant Professor Lemos

MATHEMATICS 201. Calculus II.

(First semester—sophomore)

The definite integral and applications; volumes; differentiation and integration of transcendental functions; techniques of integration; partial differentiation.

4 semester hours credit.

Assistant Professor Bent

MATHEMATICS 202. Calculus III.

(Second semester—sophomore)

Polar coordinate systems; two and three dimensional vectors; parametric equations; solid analytic geometry; partial differentiation; iterated and multiple integrals with applications; introduction to infinite series.

4 semester hours credit.

Assistant Professor Bent

MATHEMATICS 301. Abstract Algebra (First Semester)

Introduction to the theory of rings, integral domains, and fields through a study of integers, rational numbers, real numbers, complex numbers and polynomials. Elementary group theory.

3 semester hours credit.

Associate Professor Chicarelli

MATHEMATICS 303. Number Theory (First Semester)

Development of the number system; the Euclidean Algorithm and its consequences; theory of congruences; number-theoretic functions; Diophantine equations; continued fractions; quadratic residues.

3 semester hours credit.

Associate Professor Chicarelli

MATHEMATICS 302. Linear Algebra. (Second Semester)

Vector spaces; determinants; linear transformations and matrices; systems of equations; characteristic values; quadratic forms; applications to geometry and analysis.

3 semester hours credit.

Associate Professor Chicarelli

MATHEMATICS 304. Higher Geometry. (Second Semester)

Axiomatic systems; finite geometries; introduction to synthetic and analytic projective geometry; affine geometry; non-Euclidean geometry.

3 semester hours credit.

Mr. Russell

MATHEMATICS 401. Advanced Calculus. (First Semester)

Sequence and series; fundamental theorems on infinitesimals; implicit functions; vector analysis; line and surface integrals.

3 semester hours credit.

Associate Professor Chicarelli

MATHEMATICS 403. Probability and Statistics.
(First Semester)

Calculus of probabilities; discrete and continuous random variables; expectation; elementary probability distributions; methods of estimation; sample spaces; theories of statistical inference; applications.

3 semester hours credit.

Assistant Professor Lemos

MATHEMATICS 402. Fundamental Concepts of Mathematics.
(Second Semester—Senior)

A critical study of the definitions, axioms, structure, and development of mathematics, including an introduction to the theory of sets, the axiom of choice, cardinal and ordinal numbers.

Quarter course.

Mr. Russell

MATHEMATICS 404. Mathematics Seminar—Differential Equations (Second Semester—Senior)

Ordinary linear differential equations of first order and of higher order with constant coefficients; series solutions; applications.

Quarter course.

Staff

MUSIC

Walter L. Mayo, Chairman, Associate Professor; Marjorie L. Hayward, Assistant Professor; Dorothy R. Ferry, Instructor.

MUSIC 110. Introduction to Music.

Through the use of a text-book and recordings, students are made aware of the various styles and forms of music from the Baroque to the Contemporary. This includes vocal forms such as the opera, cantata, oratorio, and art songs, as well as the instrumental forms of fugue, sonata, symphony and later Romantic forms. The lives of the composers are studied in relation to their compositions. Emphasis is placed upon listening to recordings and identifying their style.

2 semester hours credit.

Assistant Professor Hayward

MUSIC 130. Music History.

Emphasis, in this course, is placed upon the evolution of forms and styles beginning with monophonic texture in sacred and secular music of the Middle Ages through the polyphony of the late Renaissance and Baroque periods, to the homophony and variety of textures of the Romantic and Modern periods. Forms, composers, and compositions in relation to historical settings are studied through text-book and recordings.

3 semester hours credit.

Assistant Professor Hayward

MUSIC 210. Music Theory.

Included in this course are the fundamentals of Music, its structure and components, sight singing, the various methods of teaching by rote, and basic harmony.

Three periods weekly for one semester.

3 semester hours credit.

Associate Professor Mayo

MUSIC 120. Music in Physical Education.

This course is designed primarily for Physical Education Majors and stresses the rhythmic content of Music. Experiences include action songs, free rhythmic activity to instrumental music, the use of rhythm instruments, and folk dances and games.

Two periods weekly for one semester.

2 semester hours credit.

Associate Professor Mayo

MUSIC 280. Creative Activities in Elementary School Music.

The emphasis of this course is on the enriching activities in the elementary school music program. Practical experience will be offered in these areas: free and directed response to rhythm; use of percussion, melody and harmony instruments; piano chording; creative listening and singing activities.

Prerequisite: Music Methods and Materials.

Two periods weekly for one semester.

2 semester hours credit.

Miss Ferry

MUSIC 290. Music of the 20th Century.

Important changes and development in today's music will be studied. Major musical forms written since 1900 will be analyzed and critical evaluation made of compositions of this period. Biographical background and historical influences will form a part of the basis for study.

Two periods weekly for one semester.

2 semester hours credit.

Assistant Professor Hayward

PHYSICAL SCIENCES

The main objectives of this department are: (1) to arouse intellectual curiosity; (2) to learn how knowledge of the physical environment is acquired; (3) to learn the nature of scientific truth; (4) to learn how to communicate knowledge effectively and (5) to understand the various forces acting in a changing social environment.

T. Leonard Kelly, Chairman, Professor; Otis E. Alley, Professor; George A. Weygand, Associate Professor; Raymond L. Blanchard, Assistant Professor; Henry O. Daley, Jr., Assistant Professor; John W. Swardstrom, Assistant Professor; Joseph M. Pagano, Instructor; Margaret R. Souza, Instructor; Orville J. Dalton, Instructor.

Chemistry

CHEMISTRY 131-132. General Chemistry.

A study of the elements and their compounds with emphasis on structure and its relation to properties.

Two lecture periods and one 2-hour laboratory period weekly for two semesters.

6 semester hours credit.

Mrs. Souza

CHEMISTRY 141-142. Inorganic Chemistry with Qualitative Analysis.

Theoretical inorganic chemistry with emphasis on mass-energy relationships in terms of structure and physical laws. The second semester laboratory consists of semi-micro qualitative inorganic analysis.

Three lecture periods and one 3-hour laboratory period weekly for two semesters.

8 semester hours credit.

Assistant Professor Daley

CHEMISTRY 241-242. Inorganic Quantitative Analysis.

A study of the classical and modern methods for the volumetric, gravimetric, colorimetric and electrometric determination of elements and groups.

Two lecture periods and one 4-hour laboratory period weekly for two semesters.

6 semester hours credit.

Mr. Pagano

CHEMISTRY 252. Introductory Chemistry.

A study of the principles of general chemistry with emphasis on applications in the area of physical education.

Two lecture periods and one 2-hour laboratory period weekly for one semester.

3 semester hours credit.

Professor Alley

CHEMISTRY 343-344. Organic Chemistry.

A study of carbon compounds with accent on resonance and orbitals in explaining mechanisms of organic reactions.

Three lecture periods and one 3-hour laboratory period weekly for three quarters.

6 semester hours credit.

Professor Kelly

CHEMISTRY 403-404. Inorganic Qualitative Analysis.

Semimicro procedures are used to teach the physical chemistry of solutions and homogenous equilibrium. Volumetric, gravimetric and colorimetric determinations are pursued in quantitative.

Two lecture periods and one 1-hour problem period and one 4-hour laboratory period weekly for one and one-half semesters.

6 semester hours credit.

Mr. Pagano

Physics

PHYSICS 181-182. General Physics.

A study of Mechanics, Heat, Sound, Magnetism, Electricity and Light.

Two lecture periods and one 2-hour laboratory period weekly for two semesters.

6 semester hours credit.

Mr. Pagano

PHYSICS 183-184. Survey of Physics and Chemistry.

The fundamental laws of Chemistry and Physics, as they apply to systems, are studied and integrated so that the student does not tend to consider them as separated. For non-science majors.

Two lecture periods and one 2-hour laboratory period weekly for two semesters. This course satisfies the laboratory science requirement for the A.B. and B.S. in Education degrees.

6 semester hours credit.

Staff

PHYSICS 241-242. Molecular Physics.

A study of the phenomena of Mechanics, Heat, Sound and Modern Physics and the laws applied to them.

Three lecture periods and one 3-hour laboratory period weekly for two semesters.

8 semester hours credit.

Mr. Pagano

PHYSICS 243-244. Magnetism, Electricity and Light Mechanics, Including Wave Mechanics.

Classical and modern concepts in the above fields are studied and examined in laboratory exercises.

Three lecture periods and one 3-hour laboratory period weekly for two semesters.

4 semester hours credit each semester.

Associate Professor Weygand

PHYSICS 251. Mechanics.

An introduction to the principles of mechanics with emphasis on applications in the area of Physical Education.

Two lecture periods and one 2-hour laboratory period weekly for one semester.

3 semester hours credits.

Professor Alley

PHYSICS 383-384. Radiation.

Three lecture periods and one 3-hour laboratory period weekly for one and one-half semesters.

6 semester hours credit. Assistant Professor Blanchard

PHYSICS 385-386. Radiant Energy.

Selected phenomena from the fields of heat, light and electricity in which electromagnetic radiation is involved, are studied from a theoretical and practical viewpoint.

Three lecture periods and one 3-hour laboratory period weekly for three quarters.

6 semester hours credit.

PHYSICS 387 or 388. Modern Physics.

Topics in time-space, relativity, radiant energy and electrical instrumentation and library assignments are discussed critically.

Two discussion periods weekly with library assignments for one semester.

3 semester hours credit.

PHYSICS 389 or 390. Solid State Physics.

A discussion of the modern ideas of the solid state as they apply to rheology, energy absorption and electrical and electromagnetic transmission.

Two lecture periods weekly with library assignments and discussion for one semester.

3 semester hours credit.

HISTORY OF SCIENCE. 391-392.

A comprehensive study of the development of scientific thought and scientific method from the Ionian Greeks to the contemporary era.

One hour lecture and a 2-hour seminar weekly for two semesters.

Prerequisite: Science major or a grade of B in one or more of the following:

Physics 211-212, Physics 183-184, Physics 181-182, and Physics 241-242.

6 semester hours credit.

Mr. Dalton

PHILOSOPHY OF SCIENCE. 401-402.

An extended discussion of the philosophical systems applied to the physical sciences. Emphasis will be on the epistemological and metaphysical considerations of the problems of contemporary physical science.

One hour lecture and a 2-hour seminar weekly for two semesters. Special conferences arranged with individual students.

Prerequisite: History of Science 391-392.

6 semester hours credit.

Mr. Dalton

Limitations and Explanations for Programming**CHEMISTRY. 131-132.**

Open to Biology Majors only. Others wishing to elect Chemistry for A.B. requirement will take Chemistry 141-142. Two laboratory sections.

CHEMISTRY. 141-142.

Required of A.B. and B.S. Freshman Chemical Physics Majors. Open to A.B. for laboratory science requirement. One laboratory section.

CHEMISTRY. 241-242 and 403-404.

Two lecture periods at same hours for both courses and one 4-hour laboratory period at same time for both courses. 241-242 required for Sophomore A.B. and B.S. Chemical Physics Majors. 403-404 required of Senior B.S. Chemical Physics Majors.

CHEMISTRY. 252. Second Semester.

Required of Physical Education Major Sophomores.

Two laboratory sections.

CHEMISTRY. 343-344. Organic Chemistry.

Required of A.B. and B.S. Chemical Physics Juniors. Open to other Juniors who have credit for either Chemistry 131-132 or Chemistry 141-142.

One laboratory section.

PHYSICS. 181-182.

Required of Sophomore Biology Majors. Elective for A.B. Freshmen.

Two laboratory sections.

PHYSICS. 183-184.

Required of Sophomore Elementary Majors and B.S. Education Sophomores who are non-science majors. Open to A.B. Freshmen to satisfy laboratory science requirement. Laboratory hours as suggested.

PHYSICS. 243.

Required of A.B. and B.S. Chemical Physics Sophomores.

Open to Sophomore A.B. who have credit for either Chemistry 131-132 or Chemistry 141-142.

One laboratory section.

PHYSICS. 244.

Required of A.B. and B.S. Chemical Physics Sophomores. Open to A.B. Sophomores who have credit for Physics 243.

PHYSICS. 251.

First semester. Required of Physical Education Sophomores.

Two laboratory sections.

PHYSICS. 383-384.

Required of Chemical Physics Juniors and Seniors. Open to A.B. Juniors who have credit for Physics 241-242.

SOCIOLOGY

Shirley M. Kolack, Assistant Professor; Maude C. L. Greene,
Instructor.

SOCIOLOGY 280. An Introduction to Sociological Analysis.

The aim of this course is to acquaint the student with the patterns of group behavior which are basic to all societies, and to give some familiarity with the tools which make it possible to study such patterns comparatively. Material will be taken from empirical studies of small, simple societies and from studies of limited aspects of the large, complex societies of the modern world.

Three periods weekly for one semester.

3 semester hours credit.

SOCIOLOGY 300. Principles of Sociology.

The aim of this course is to acquaint the student with the structural-functional approach to the study of societies, as one possible approach. This course is required for all those majoring in Sociology.

SOCIOLOGY 401. Social Stratification.

The ranking systems by which all societies evaluate their own members are studied comparatively. Special attention will be given to the stratification system in the United States.

Three periods weekly for one semester.

3 semester hours credit.

SOCIOLOGY 403.

A Sociology Seminar in which the first two quarters will be devoted to the reading of classic and recent monographs in sociology. The last quarter will be devoted to a simple, individual research project by each student.

Prerequisite: A grade of B or better in the Junior sociology course.

Three periods weekly for one and one-half semesters.

4.5 semester hour credits.

SPEECH AND DRAMA DEPARTMENT

Robert J. Barnett, Chairman, Associate Professor;
Adrian S. Harris, Instructor; Delbert R. Curry, Instructor.

The Speech program is designed to help the student participate logically and creatively in the development, oral presentation, and exchange of ideas to meet personal, social, and professional needs.

All students are required to take the comprehensive Sophomore course in their General Education program. All Bachelor of Science in Education candidates are required to take the Senior Speech course. This latter course is offered as an elective to all Bachelor of Arts candidates. Besides being eligible to take elective courses, all students may (a) join the Drama and Debate Clubs, and (b) participate in other programs sponsored by the Speech and Drama Department.

The Speech and Drama Department has established minimum voice, articulation and fluency standards that must be met by all prospective teachers at Bridgewater State College. This part of the program consists of:

1. Conducting a "speech" test for all teacher-education students who are new to the college or who have not already passed this test at Bridgewater State College.
2. For those students not passing the test, enrollment is a non-credit Speech Improvement Course (Oral Communication 001).
3. For those students who have been receiving Speech Improvement instruction, a re-test, the passing of which is required for entrance into Junior student teaching, will be given.

Speech and Drama Courses

SPEECH 001. Speech Improvement.

Required of all students who do not meet the minimum speech requirements for entrance to the teacher-training program. This will be a laboratory experience offering students individual and group instruction designed to help them meet these requirements. The student will be permitted to drop the course as soon as he passes the speech test, required for entrance into Junior student teaching.

No credit.

Hours to be arranged.

Mr. Schwartz

SPEECH 200. Oral Communication 1.

In the Sophomore course ideas and values that are central to the total oral communication process are introduced on both the practical and theoretical level. The student is helped to become a responsive and effective participant in conversation, discussion, speech-making, interviewing and other forms of oral expression.

Required of all Sophomores.

2 semester hours credit.

Staff

SPEECH 400. Oral Communication 2.

In the Senior course the ideas and values central to the communication act are studied in theory and practice in different and more complex contexts than they were in the prerequisite course. In this course the student is helped to assume leadership responsibilities in the development of both meaning and form in both logical and creative modes of oral expression.

Required of all Bachelor of Science majors.

2 semester hours credit.

Staff

SPEECH 385. Play Production.

This course is designed to treat the various aspects of school play production, ranging from classroom to all-school presentations on the elementary or high school level. It deals with such problems as selecting a play, casting, directing, lighting, costuming and designing, and building scenery. Practical work in the above activities will be required of all students.

3 semesters hours credit.

Professor Barnett

SPEECH—Speech Improvement in the Classroom.

This course is designed to help prospective teachers (1) identify children's speech and hearing problems, and understand the needs of these speech-handicapped children; (2) recognize opportunities in everyday classroom activities to provide help and guidance for these children; and (3) provide supplementary activities that stimulate and improve children's speech.

3 semester hours credit.

Staff

GRADUATE PROGRAM

The Master of Arts in Teaching

Effective -- September, 1965

The degree of Masters of Arts in Teaching at Bridgewater State College is designed to produce a teacher well-trained in pedagogy and in a subject matter field, one who has had experience in graduate study and research in both areas. The program is flexible enough to meet the needs of students with Liberal Arts Degrees and those with Teacher-training Degrees.

Admission to the program of the Master of Arts in Teaching ordinarily requires an undergraduate major in the subject matter field. The undergraduate record, the results of the Graduate Record Examination in the desired field, and recommendations from those familiar with the applicant's ability and experience will be considered in determining the candidate's fitness for the program. Each candidate must be approved by the subject matter department in which he wishes to work before he can be admitted to the program.

Individual programs for each MAT candidate will be planned and directed, within the general requirements, by a committee composed of two members of the subject matter department in which he is majoring and one member of the Department of Education. If the individual program makes it advisable, a reading knowledge of a foreign language may be required of the candidate by this committee. In the course of his program, the candidate must demonstrate ability to coordinate the knowledge of his special field and its application to teaching in both written and oral form.

GENERAL REQUIREMENTS

Residence: One academic year and one summer session.

Course Credits: 32 semester hours plus Summer Teaching Practicum.

Thesis in the subject matter field.

Education areas: The candidate is required to have done work satisfactorily in the following areas:

General Methods

Curriculum

History of Education

Philosophy of Education

Tests and Measurements

Psychology

This requirement may be met by a combination of undergraduate courses and work in the program for the Master of Arts in Teaching.

PART-TIME STUDY

Division of Continuing Studies

The Division of Continuing Studies offers late afternoon, evening and Saturday morning courses in the fields of liberal arts and education. These courses are open to college graduates, secondary school graduates and adults who wish to continue their education on a part-time basis.

College graduates may enroll for the Degree of Master in Education. Application is made directly to the Division of Continuing Studies and approval of courses must be secured in advance of registration.

The Graduate Record Examination is required of all graduate students.

Secondary school graduates may enroll for degree programs in the Division of Continuing Studies by following the same admissions procedures and meeting the same admission standards as for the day divisions.

All candidates applying to the Division for undergraduate study must make application through the "Office of Admissions" and make arrangements prior to the registration periods to consult with the Director of Admissions who will assist them in the selection of appropriate courses.

Information pertaining to undergraduate study in The Division of Continuing Studies may be obtained by writing to The Director of Admissions, Massachusetts State College at Bridgewater, Bridgewater, Massachusetts.

SUMMER TERM

Bridgewater and Hyannis

The Summer Term at Bridgewater State College and the Summer School in Hyannis consists of one six-week session. Students may earn credit equivalent to that of a full semester of college work per subject, not to exceed a total of eight credits for all courses taken.

Many of the basic courses of the regular year are offered in the Summer Term, so that regular undergraduate students may make program adjustments. It also gives part-time undergraduate and graduate students the opportunity to shorten the time required for the completion of their college programs through intensive summer study.

Inquiries should be addressed to:

1. Iva V. Lutz, Director
Summer Session at Bridgewater
Bridgewater State College
Bridgewater, Massachusetts
2. Charles E. Foth, Director
Summer Session at Hyannis
Bridgewater State College
Bridgewater, Massachusetts

Offices of Administration

Office of the President

Adrian Rondileau ----- President
A.B. The City University of New York
M.A. Columbia University
Ph.D. Columbia University
Helen D. Tripp ----- Junior Clerk-Stenographer

Business Office

Henry Francis Werner ----- Assistant to the President
B.S. in Ed. Rutgers University
Doris Hadley Anderson ----- Principal Clerk
Dorothy Guglielmi McGann ----- Principal Clerk
Ruth Acton Watson ----- Senior Bookkeeper
Frances Lyons Cormier ----- Junior Clerk and Stenographer
Irene Gagnon Green ----- Junior Clerk and Stenographer
Theresa Guglielmi Cassulo ----- Junior Clerk and Typist

Office of the Dean

Lee Harrington ----- Academic Dean
B.A. College of the Holy Cross
M.Ed. Massachusetts State College at Bridgewater
Mary Waters Ansell ----- Junior Clerk and Stenographer

Office of the Registrar

Henry Joseph Fanning, Jr. ----- Director of Admissions
B.S. Boston College
M.Ed. Massachusetts State College at Bridgewater
Olive Adams Snarski ----- Senior Clerk and Stenographer
Gertrude Reed Gailfoil ----- Junior Clerk and Typist
Mary Waters Ansell ----- Junior Clerk and Stenographer

Division of Continuing Studies

Iva Viola Lutz ----- Director
B.S. Columbia University
A.M. Columbia University
Philip Ryan Dooley ----- Associate Director
A.B. St. Anselm's College
Ed.M. Tufts University
Eleanor L. Wyatt ----- Junior Clerk
Marie B. P. Fleury ----- Senior Bookkeeper

Summer School (Bridgewater)

Iva Viola Lutz ----- Director
B.S. Columbia University
A.M. Columbia University

Summer School (Hyannis)

Charles Eaton Foth ----- Director
B.A. Amherst College
M.A. Amherst College

Library Staff

Owen T. P. McGowan	Librarian
B.A., Maryknoll College	
M.S. in L.S., Catholic University	
Cora May Vining	Cataloguer
B.S. Massachusetts State College at Bridgewater	
S.B. Simmons College	
A.M. Boston University	
Mary Lane Gloster	Circulation
B.S. Massachusetts State College at Bridgewater	
B.S. Simmons College	
Olive Lee	Circulation
A.B. Radcliffe College	
B.S. University of North Carolina	
Emily Rogue Stone	Clerk
Mary Chaput	Clerk

Office of the Dean of Men

Henry Myron Mailloux	Dean of Men
B.S. Fordham University	
M.A. Columbia University	
Arthur Carlisle Oien	Assistant to the Dean of Men
B.A. Concordia College	
M.A. University of Minnesota	
Carol Piantini	Junior Clerk and Stenographer

Office of the Dean of Women

Ellen Marie Shea	Dean of Women
B.S. Massachusetts State College at Bridgewater	
Ed.M. Boston University	
Ph.D. University of Connecticut	
Roberta Anne Hankamer	Assistant to the Dean of Women
B.A., Denison University	
M.S., Indiana University	
Carol Piantini	Junior Clerk and Stenographer

Heads of Student Residences

Irene Mello	Woodward Hall
Mabel Priestly	Pope Hall
Hilda Winterbottom	Tillinghast Hall
Martha Johnson	Woodward Hall
Clara Sullivan	Men's Dormitory
Helen Cooper	Pope Hall

Boarding Hall

Doris Walsh -----Manager

Health Service

Margaret Curtin, R.N.-----School Resident Nurse
Morton Hospital

Louise Zahr, R.N.-----School Resident Nurse
Symmes Hospital

Audio-Visual Center

Henry Rosen -----Director
A.B. Dartmouth College
A.M. Boston University
Ed.D. Boston University

Office of the Director of Teacher Education

Vincent James DiNardo-----Director
B.S. Massachusetts State College at Bridgewater
Ed.M. Boston University
Ed.D. Boston University

Patricia Condon Metevier-----Junior Clerk and Typist

Alumni Office

Sarah Elizabeth Pope-----Executive Secretary
B.S. Columbia University
M.A. Columbia University

Madeline Elizabeth Moore-----Secretary

Chaplains

Rev. Everett Francis Vierra----Chaplain to Catholic Students
A.B. Boston College
A.M. St. John's Seminary

Rev. Richard Huffines-----Chaplain to Protestant Students

Faculty

Adrian Rondileau -----President
A.B. The City University of New York
M.A. Columbia University
Ph.D. Columbia University

Lee Harrington -----Academic Dean
A.B. College of the Holy Cross
M.Ed. Massachusetts State College at Bridgewater

Commonwealth Professors

Frank Joseph Hilferty -----Commonwealth Professor of Botany
Chairman of the Department of Biological Sciences
B.S. Massachusetts State College at Bridgewater
Ph.D. Cornell University

Annabelle McConnell Melville
Commonwealth Professor of History
A.B. Albany State College for Teachers
M.A. Albany State College for Teachers
Ph.D. Catholic University of America

Professors

Otis Edward Alley, S.B., A.M., Ph.D. (Boston University), Professor of Physics.

Ralph Samuel Bates, A.B., A.M. (University of Rochester), A.M., Ph.D. (Harvard University), Professor of History.

Elizabeth Fahey Cirino, B.S. (Massachusetts State College at Bridgewater), A.M., Ph.D. (Boston University), Professor of Zoology.

Stanley Luther Clement, B.S. (Colby College), M.A. (University of Maine), Ed.D. (Boston University), Professor of Education and Chairman of the Department of Education.

Vincent James DiNardo, B.S. (Massachusetts State College at Bridgewater), Ed.M., Ed.D. (Boston University), Professor of Education.

Jordan Dominic Fiore, B.S. (Massachusetts State College at Bridgewater), A.M., Ph.D. (Boston University), Professor of History and Chairman of the Department of History and Political Science.

- George William Green, A.B. (College of the Holy Cross), M.A., Ph.D. (Harvard University), Professor of English.
- Jane Herrick, A.B. (St. Teresa College), M.A., Ph.D. (Catholic University of America), Professor of History.
- Kenneth Jesse Howe, B.A., M.S. (University of Rochester), Ph.D. (Cornell University), Professor of Botany.
- Stephanie Olga Husek, A.B. (Seton Hill College), Ph.D. (University of Prague), Professor of History.
- Timothy Leonard Kelly, A.B., M.S. (College of the Holy Cross), M.A. (Columbia University), Professor of Chemistry and Chairman of the Department of Physical Sciences.
- Iva Viola Lutz, B.S., A.M. (Columbia University), Professor of Education.
- Charles Burton McMullen, B.S., A.M. (Columbia University), Professor of Education.
- Lawrence Bronislaw Mish, A.B. (University of Connecticut), A.M., Ph.D. (Harvard University), Professor of Botany.
- Mary Josephine Moriarty, B.S. (Boston University), A.B. (Villa Maria College), Ed.M., Ed.D. (Boston University), Professor of Physical Education and Chairman of the Department of Health and Physical Education for Women.
- Henry Rosen, A.B. (Dartmouth College), A.M., Ed.D. (Boston University), Professor of Audio-Visual Aids and Chairman of the Department of Audio-Visual Aids.
- Ellen Marie Shea, B.S. (Massachusetts State College at Bridgewater), Ed.M. (Boston University), Ph.D. (University of Connecticut), Professor of Education.
- Samuel Norman Sheinfeld, A.B., Ed.M., A.M. (Harvard University), Ed.M. (Massachusetts State College at Boston), Ed.D. (Harvard University), Professor of English and Chairman of the Department of English.
- William James Wall, Jr., B.S., M.S. (University of Massachusetts), Ph.D. (University of California), Professor of Zoology.

Commonwealth Associate Professor

- *Balfour Stirling Tyndall, A.B. (University of Maine), Ed.M. (Harvard University), Commonwealth Associate Professor of Education.

Associate Professors

- Robert Jackson Barnett, A.B. (Juniata College), M.A. (Pennsylvania State College), Associate Professor of Speech.
- Beatrice Irene Bouchard, B.S. (Catholic Teachers College of Providence), M.A. (Boston College), M.S. (Simmons College), Associate Professor of Library Science and Chairman of the Department of Library Science.
- James Robert Brennan, B.S., M.S. (Virginia Polytechnic Institute), Ph.D. (University of Maryland), Associate Professor of Botany.
- Barbara Anne Chellis, S.B. (Simmons College), M.A., Ph.D. (Brandeis University), Associate Professor of English.
- Joseph B. Chiccarelli, B.S. (Boston College), M.A. (Boston College), Associate Professor of Mathematics and Chairman of the Department of Mathematics.
- Joseph John Corkery, A.B., A.M. (Boston College), Associate Professor of Philosophy.
- Robert Alphonse Daniel, A.B. (Howard University), M.A. (State University of Iowa), Ed.D. (Pennsylvania State University), Associate Professor of Art.
- Philip Ryan Dooley, A.B. (St. Anselm's College), Ed.M. (Tufts University), Associate Professor of Education.
- Charles Eaton Foth, B.A., M.A. (Amherst College), Associate Professor of History.
- Margaret Frances Guerin, A.B. (Boston University), B.S. (Massachusetts State College at Bridgewater), A.M. (Boston University), Associate Professor of English.
- Elizabeth Hollis, B.S. (Boston University), M.A. (Columbia University), Associate Professor of Education.
- Harry August Lehmann, B.S., M.Ed. (Springfield College), Associate Professor of Physical Education and Chairman of the Department of Physical Education for Men.
- Evelyn Ruth Lindquist, B.S. (Massachusetts State College at Bridgewater), Ed.M. (Boston University), Associate Professor of Education.
- Agrippina Anne Macewicz, B.S. (Massachusetts State College at Worcester), M.A., Ph.D. (Clark University), Associate Professor of Geography.
- Emanuel Maier, B.A., M.S. (City College of New York), Ph.D. (Clark University), Associate Professor of Geography.

- Henry Myron Mailloux, B.S. (Fordham University), M.A. (Columbia University), Associate Professor of Mathematics.
- Walter Lloyd Mayo, B.A. (Boston College), M.Mus.Ed. (Boston University), Associate Professor of Music and Chairman of the Department of Music.
- Daniel Joseph Noonan, A.B. (Boston College), Ed.M. (Harvard University), Associate Professor of Economics.
- Edward Carl Swenson, B.S. (Boston College), Ed.M. (Boston University), Associate Professor of Physical Education.
- Doris Emma Tebbetts, B.S. (Massachusetts College of Art), M.A. (University of Minnesota), Associate Professor of Art and Chairman of the Department of Art.
- George Alexander Weygand, B.S., M.Ed. (Massachusetts State College at Bridgewater), Ed.D. (Harvard University), Associate Professor of Physics.

Assistant Professors

- Robert Charles Arruda, A.B. (Brown University), B.S. (Georgetown University), M.A.T. (Brown University), Assistant Professor in Romance Languages and Chairman of the Department of Foreign Languages.
- Robert Joseph Bent, B.S. (Boston College), M.Ed. (Massachusetts State College at Bridgewater), M.A. (San Diego State College), Assistant Professor of Mathematics.
- Raymond L. Blanchard, B.S. (New Bedford Institute of Technology), M.Ed. (State College at Bridgewater), M.S. (Rensselaer Polytechnic Institute), Assistant Professor of Physics.
- Mary Isabel Caldwell, B.S. (University of Wisconsin), M.A. (New York University), Assistant Professor of Physical Education.
- *Margaret Carol Cassidy, B.S. (Massachusetts State College at Framingham), M.S. (University of Massachusetts), M.A. (Pius XII Institute, Florence, Italy), Assistant Professor of Art.
- William Roswell Cole, B.A. (University of Massachusetts), A.M. (Boston University), Assistant Professor of History.
- Robert Anthony Coler, B.A. (Champlain College), M.A. (Albany State College for Teachers), Ph.D. (Syracuse University), Assistant Professor of Zoology.
- Henry O. Daley, Jr., B.S. (State College at Bridgewater), Ph.D. (Boston College), Assistant Professor of Chemistry.

- John Peter Deasy, A.B. (Providence College), Ed.M., Ed.D. (Boston University), Assistant Professor of Education.
- Joseph DeRocco, A.B., M.A. (Columbia University), Assistant Professor of English.
- Warren David Englund, B.A. (Simpson College), M.S. (Drake University), Assistant Professor of Education.
- Ralph Sanborn Fellows, A.B. (Tufts University), M.A., Ph.D. (Boston University), Assistant Professor of Geology.
- Dorothy Rose Ferry, Mus.B., M.Mus.Ed. (Boston University), Assistant Professor of Music.
- Ira Ellsworth Furlong, A.B., M.A., Ph.D. (Boston University), Assistant Professor of Geology.
- Vincent Harold Gannon, B.S. (Boston University), M.A.T. (Harvard University), Assistant Professor of English.
- Marjorie Elizabeth Hayward, B.M. (New England Conservatory of Music), Ed.M. (Massachusetts State College at Bridgewater), Assistant Professor of Music.
- Mary Moore Jarvis, B.S. (Massachusetts State College at Bridgewater), M.A. (Middlebury College), Assistant Professor of English.
- Virginia Carville Joki, A.B. (Radcliffe College), M.A. (University of Wisconsin), Assistant Professor of English.
- Shirley Marion Kolack, B.S., A.M. (Boston University), Assistant Professor of Sociology.
- Robert Elwood Lemos, B.S. (Massachusetts State College at Bridgewater), M.Ed. (Harvard University), Assistant Professor of Mathematics.
- Katherine Frances Lomax, A.B. (Brown University), M.A.T. (Boston College), Assistant Professor of English.
- Walter Arthur Morin, A.B. (Merrimack College), M.S. (Boston College), Assistant Professor of Biology.
- Rita Kohler Nadal, B.S. (Massachusetts State College at Framingham), Ed.M. (Boston University), Assistant Professor of Education.
- Mary Noel, A.B. (Radcliffe College), M.A., Ph.D. (Columbia University), Assistant Professor of History.
- Maurice Rotstein, B.S. (City College of New York), M.A., Ph.D. (New York University), Assistant Professor of History.
- John W. Swardstom, B.S. (Jamestown College), M.A. (Temple University), Assistant Professor of Physical Sciences.
- Cora May Vining, B.S. (Massachusetts State College at Bridgewater), S.B. (Simmons College), A.M. (Boston University), Assistant Professor of Library Science.

Instructors

- *Robert Allen Briggs, A.B., M.A. (Boston University), Instructor of German.
- Shirley A. Bump, B.S., M.Ed. (State College at Bridgewater), Instructor of Art.
- Lyle Kenneth Bush, A.B. (University of Washington), M.A. (Harvard University), Instructor of Art.
- Nettie Hutchins Chipman, B.L.I. (Emerson College), A.M. (Boston University), Instructor of English.
- Ann Oldham Coakley, B.S., M.Ed. (Boston University), Instructor of Physical Education.
- Delbert Ray Curry-----Instructor of Speech
B.A., M.A. Central State College (Oklahoma)
- Orville Joseph Dalton, B.S., M.S. (Suffolk University), Instructor of Physics.
- David Paul Deep, B.S. (University of Bridgeport), M.S. (Springfield College), Instructor of Physical Education.
- Harold DeLisle, B.S. (State College at Bridgewater), M.A. (Boston College), Instructor of English.
- Gerald Joseph Doiron, B.A. (University of Maine), M.A. (University of Rhode Island), Instructor of History.
- Henry Joseph Fanning, Jr., B.S. (Boston College), M.Ed. (Massachusetts State College at Bridgewater), Instructor of Education.
- Barbara George, B.A. (Oberlin College), Ed.M. (Rutgers—the State University), Instructor of German.
- Joseph Matthew Giannini, B.A., M.A. (Boston University), Instructor of Romance Languages.
- Mary Lane Gloster, B.S. (Massachusetts State College at Bridgewater), B.S. (Simmons College), Instructor of Library Science.
- Maude C. L. Greene, A.B., M.A. (University of Alabama), Ph.D. (University of Virginia), Instructor of Sociology.
- Roberta Anne Hankamer-----Instructor of Education
B.A., Denison University
M.S., Indiana University

Adrian Sayre Harris, A.B. (University of Iowa), M.A. (University of Iowa)

Marilyn Ann Hayden, B.S. (Massachusetts State College at Bridgewater), M.A. (Clark University), Instructor of Geography.

Charles W. Howie, Jr., B.S., M.S. (University of Rhode Island), Instructor of Botany.

Donald Lundeen Keay, B.S. (Massachusetts State College at Bridgewater), M.A.T. (Harvard University), Instructor of History.

Paul F. Kelley, B.S. in Ed., M.Ed. (State College at Bridge-water), Instructor of Education.

Shirley J. Krasinski, B.S. (University of Connecticut), M.S. (University of Massachusetts), Instructor of Physical Education.

Olive Lee, A.B. (Radcliffe College), B.S. (University of North Carolina), Instructor of Library Science.

Phyllis Jean Morris, B.S., Ed.M. (Boston University), Instructor of Physical Education.

Elizabeth Towne Norton, B.A. (Ohio State University), M.A. (Brandeis University), Instructor of English.

Arthur Carlisle Oien, B.A. (Concordia College), M.A. (University of Minnesota), Instructor of History.

Leonore M. Padula, B.A. (Emanuel College), M.A. (Boston College), Instructor of French.

Joseph Michael Pagano, B.S. (Massachusetts Institute of Technology), M.S. (Boston College), Instructor of Chemistry.

Patricia Ann Phillips, B.S. (Massachusetts State College at Bridgewater), Ed.M. (Boston University), Instructor of Physical Education.

Joseph F. Russell, Jr., B.S., M.A. (Boston College), Instructor of Mathematics.

Robert G. Simmons, B.S. in Ed. (State College at Bridgewater), M.S. in Ed. (Indiana University), Instructor of Audio-Visual Education.

Margaret Borden Souza, B.S. (Massachusetts State College at Bridgewater), M.S. (Boston College), Instructor of Chemistry.

*Benjamin Arthur Spence, B.S. (Massachusetts State College at Bridgewater), M.A. (University of Wisconsin), Instructor of History.

Franklin R. Stern, B.A. (Dartmouth College), M.A. (Syracuse University), Instructor of Earth Science.

Mary L. Thornburg, B.S. (Wisconsin State Teachers College), M.S. (University of North Carolina), Instructor of Health and Physical Education.

David A. Wagenknecht, A.B., M.A. (Boston University), Instructor of English.

Mildred Ragsdale Wellman, B.A. (Denison University), M.S. (Smith College), Instructor of Physical Education.

Emily V. Wolf, A.B. (University of Alabama), M.A. (Bryn Mawr College), Instructor of English.

Burnell School

The Burnell School provides on-campus classroom teaching experience for students majoring in elementary education.

Doris Margaret Sprague, B.S., M.Ed. (Massachusetts State College at Bridgewater), Associate Professor of Student Teaching and Principal.

Janet Churbuck DiMattia, B.S., M.Ed. (Massachusetts State College at Bridgewater), Instructor of Student Teaching—Grade II.

Christine Axford Dowd, B.S., M.Ed. (Massachusetts State College at Bridgewater), Instructor of Student Teaching—Grade II.

Mary Carroll Doyle, B.S., M.Ed. (Massachusetts State College at Bridgewater), Instructor of Student Teaching—Grade IV.

Ruth Lawton Gamson, B.S., M.Ed. (Massachusetts State College at Bridgewater), Assistant Professor of Student Teaching—Grade I.

Elois Godfrey, B.S., M.Ed. (Massachusetts State College at Bridgewater), Instructor in Student Teaching—Grade III.

Elizabeth Maynard Higgins, B.S. (Massachusetts State College at Bridgewater), Ed.M. (Boston University), Instructor in Student Teaching—Grade III.

Helen Louise Hulsman, B.S. (Massachusetts State College at Bridgewater), Ed.M. (Boston University), Assistant Professor of Student Teaching—Grade IV.

Mary Leota Marks, Diploma (Wheelock Normal School), Instructor in Student Teaching—Kindergarten.

Richard Mitchell Menice, B.S. (Massachusetts State College at Bridgewater), Ed.M. (Northeastern University), Instructor in Student Teaching—Grade IV.

Marion Emma Nelson, B.S., M.Ed. (Massachusetts State College at Bridgewater), Instructor in Student Teaching—Grade I.

Barbara Freeman Poe'Sepp, B.S., M.Ed. (Massachusetts State College at Bridgewater), Assistant Professor of Student Teaching—Grade III.

Ellen Bolin Rucker, B.S. (Massachusetts State Teachers College at Hyannis), Instructor in Student Teaching—Grade I.

Dorothy Sherman Wood, B.S. (Massachusetts State College at Bridgewater), M.Ed. (Boston University), Assistant Professor of Student Teaching—Grade II.

*On Leave

1964

JULY						
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1965

JANUARY						
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1966

JULY						
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1964

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1966

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SEPTEMBER						
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MARCH						
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1966

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OCTOBER						
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1966

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OCTOBER						
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1964

NOVEMBER						
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1965

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1966

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1964

DECEMBER						
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1965

JUNE						
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1966

DECEMBER						
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JUNE						
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DECEMBER						
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